

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

Chromolaena indica — 90

F₁ — 94

F₂ — 97

F₃ — 80

Purple plants — 85

3722A line — 72

4312 parent

→ 5138 -

5132

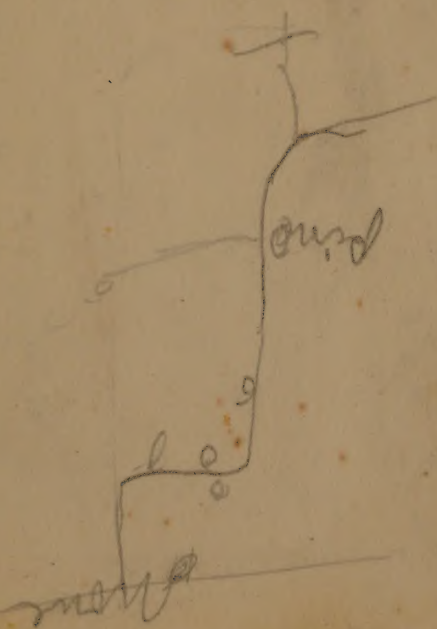
CD 8023 x Zenith

2225 to 2228 show to
Jones for use in crossing with
color for smooth color types

Late subs start with
2845, are late subs.
not selected in on 10/17/44

	✓	Int	BP	Int	Thick	ark
Garden				—	—	—
Grassy (lowly)	✓	x	x	x	x	8
Int. BK	✓	x	—	—	—	
Crowley Int.	✓	x	x	x	x	
Thicket	✓	x	x	—	—	
ark rolled by	x	x	x	x	—	

2225 is smooth & Early
 Transplant ind. plants to trans-
 plant block as soon as ripe



ion	Cross	Cross Sels.	1st
F15	Delitus x Caloro	2910A 7	3104
F15	Kameji x Blue Rose	2912A13 4	2581
F13	Rexoro x Delitus	321A { 2	2958
		11 { 1 1978	2978
		7	3050
		1	3058
F13	Rexoro x Sup. Blue Rose	323A 4 { 2	2428
		2	3059
F13	Rexoro x CI-5094	324A 4	2987
F11	Rexoro x CI-7689	3313A 1	2946
F11	CI-7689 x Fortuna	3318A 3	2947
F10	Caloro x Fortuna	341A 2 { 1	3079
		1	3088
F10	Nira x Kameji	343A 2	3083
F10	Caloro x Kameji	344A 4	3085
F10	CI-81C x Kameji	345A 1	3089
F10	Shoemed x Nira	346A 13	2919
F10	Rexoro x Nira	347A { 13	2906
		19 { 3	3047
		3	3090
F10	Caloro x Nira	348A 1	3081
F10	Shoemed x Caloro	3411A 3	3093
F10	Caloro x Rexoro	3412A 5 { 1	2991
		4	3096
F9	CI-3212 x Blue Rose	3421A 1	3113
F9	Kameji x Shoemed	351A 3	3101
F9&10	Kameji x Rexoro	352A 18 { 1	2958
		17	3068
F9	Storm Proof x CI-7143	357A 1	2956
F7	(2920A2, IBR x F) x Shoemed	3376A 12	2931
F7	(2911A18, KxH) x (B314A8, SPxSJ)	379A 5	2621
F7	(2911A18, KxH) x Blue Rose	3710A 7	2501
F7	(2911A18, KxH) x Blue Rose	3712A 14	2501
F5	Shoemed x Rexoro	3713A 28 { 18	2881
		10	3036
F7	(F1, 3512A, SP-SJxSBR) x SBRB1	3715A 6	2621
F7	Fortuna x Blue Rose	3722A 4	2370
F8	(F1, Colusa x Cubensis) x C	3726B 1	2384
F6	CI-4700 x Rexoro	3747A 2	3111
F6	(F1, S x EP) x (F1, CA x Cdy)	3810A 36	2194
		2	2381
F5	(B314A8, SP-SJ) x B3715A, Nira	395A 1	3114
F5	(B314A8, SP-SJ) x (B321A2-8, RxD)	396A 1	3121
F5	(B314A8, SP-SJ) x Blue Rose-41	399A 3	3114
		2	3121

F5	(B314A8, SP-SJ)x(2920A9, IBR-F)	3910A	1	3115
F5	Arkrose x (283A3-4, ExF)	3916A	1	3119
			8	3124
F5	(B314A8, SP-SJ)x(2912A13, KxBR)	3911A	1	2765
F5	(Fl, Colusa x Cubensis)x(314A8, SP-SJ)	3942A	1	2385
F4&5	Blue Rose-41 x CI-8323	401A	27	2232
			4	2431
F5	Blue Rose-41 x Early Prolific	404A	52	2281
			1	2499
F5	(2912A13, KxBR)x(Bl. Rose-41	4015A	17	2555
F5	(Kamrose-47 x Blue Rose-41	4016A	31	2523
			2	2573
F5	Arkrose x Blue Rose-41	4017A	5	2575
F4	Storm Proof x(2912A13, KxBR)	4019A		
			30	2587
F4	(3313A1-16, Rx7689)x(3313A1-4, Rx7689)	4025A	26	2801
F4	(3313A1-16, Rx7689)x(Rexoro	4026A	13	2826
F4	(3313A1-4, Rx7689)xT. Patna	4030A	9	2969
			31	2992
F4	T. Patna x (323A5-8, RxSBR)	4031A	32	2686
			8	2961
F4	T. Patna x (321A2-8, RxD)	4032A	8	2878
F4	T. Patna x (3313A1-16, Rx7689)	4033A	35	2839
F4	T. Patna x (321A2-5, RxD)	4034A	2	3026
F4	T. Patna x Rexoro	4035A	8	3028
F4	(323A2-8, RxSBR)xBluerRose	4044A	6	2634
F4	(323A2-8, RxSBR)xBlue Rose-41	4045A	3	2412
			5	2641
F4	(2920A9, IBR-F)xBl. Rose-41	4046A	4	2618
F4	CI-8323 x Zenith	411A	48	2130
F3	CI-8323 x(353A, Kx7143)	412A	13	2181
			40	2457
F4	B42-3282, BR x Bl. Rose-41	4112A	4	2406
F4	(Fl, 401A, BR41x8323)xCI-8324	4117A	1	2179
			19	2261
			21	2435
F3	(BR-41 x E.P.)x (CI-4011xBR)	424A		
			15	2335
F3	(BR-41 x E.P.)x (FxBR)	425A	13	235

F14 Short-grain x Medium-grain	2	242
Fortuna x Red-Rice	1	242
F5 Early Composite Sels.	3	200
F5 Late Composite Sels.	29	200
	34 } 3	241
	2	298
Caloro x Lady Wright Rogue 3173-1	2	258
Unknown material, probably TPxLong	2	285
Crowley Selections:		
297A29-1 x Rexoro	2	268
AL-11-1 x AL-5-1-3	5	236
Selections from Varieties:		
Acadia	1	243
Bluebonnet (gold)	1	276
Blue Rose	(early) 7	205
	(Mid) 7	237
	(Mid) 21	238
	(Smooth) 4	241
	(Mid) 1	242
Blue Rose-41 (from Ark.Tetra)	1	242
Early Prolific	15	203
Fortuna	2	295
Kamrose-34	1	206
Kamrose-47 (V.early sels.)	12	207
Nira	2	276
Nira (from Stockdick material)	18	278
Nira	1	295
Prelude	1	206
Rexoro, Wilbur Hill (Zenith types)	5	211
Wilbur Hill (med.-grain)	4	264
Wilbur Hill (long-gr.)	32	265
Stockdick (early types)	45	271
	17 } 1	295
	1	305
Shoemed	1	206
Taman (Nira or Fortuna)	2	295
Texas Patna	15	276
	21 } 3	297
	3	298
Zenith	9	212
CI-8328, (IBRXF)	2	205
CI-8323, (COXBR)	7	206
	36 } 29	208

TABLE PAGE

TABLE OF CONTENTS

CONTENTS OF VOLUME

ARTICLE

1. The first article is a general introduction to the subject of the volume, and is written by the Editor.

ARTICLE

2. The second article is a general introduction to the subject of the volume, and is written by the Editor.

CONTENTS OF VOLUME

3. The third article is a general introduction to the subject of the volume, and is written by the Editor.

ARTICLE

4. The fourth article is a general introduction to the subject of the volume, and is written by the Editor.

ARTICLE

5. The fifth article is a general introduction to the subject of the volume, and is written by the Editor.

ARTICLE

6. The sixth article is a general introduction to the subject of the volume, and is written by the Editor.

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

----- TEST OF -----, 19-----

CONDITIONS OF EXPERIMENT

PLOT

Location-----

Size-----

SOIL

Kind-----

Position-----

Previous crop-----

NAME AND CONDITION OF MACHINERY

Plow-----

Disk-----

Harrow-----

Seeder-----

SEED

Variety-----

Weight per bushel-----

Source-----

Treatment-----

SEED BED

Preparation :

1. -----

2. -----

3. -----

4. -----

5. -----

6. -----

SEEDING

Manner-----

Date-----

Rate-----

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

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Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

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Variety_____

Weight per bushel_____

Source_____

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4. _____

5. _____

6. _____

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Date _____

Rate_____

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Location_____

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SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

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SOIL

Kind_____

Position_____

Previous crop_____

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Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

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Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

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SEEDING

Manner_____

Date _____

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TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date _____

Rate_____

	D A T E S		D I S E A S E S		
	HEADING	FULL	H.O.	Cercospora	White Tip
	1ST FULL	RIPE			
2001	VE				E Comp 1/30/42
2002	VE				✓
2003	VE				✓
2004	E				Late Comp Smooth earlier than ep.
2005	E				✓
2006					✓
2007					✓
2008					Late Comp rough earlier than E.P. 8/11/43

D A T E S		D I S E A S E S		
HEADING	FULL			
1st FULL	RIPE	H.O.	Cerco- spora	White Tip

2009

2010

2011

2012

2013

2014

2015

2016

	D A T E S		D I S E A S E S		
	HEADING	FULL	H.O.	Cercospora	White Tip
	1ST FULL	RIPE			
2017					✓
2018					✓
2019					✓
2020	Seneth				✓
2021					✓
2022					✓
2023					✓
2024					✓

D A T E S		D I S E A S E S		
HEADING	FULL			
1ST FULL	RIPE	H.O.	Cerco- spora	White Tip
V.E.				2025
				2026
				2027
				2028
				2029
				2030
				2031
				2032

DATES		FULL DISEASES
HEADING	1ST FULL	
	RIPE	H.O. Cerco- White

2033

✓

2034 B3911-3-1, EP Sel

2023
all Proh
clear

2035

-2

✓

2036

-3

✓

2037

-4

✓

2038

-5

✓

2039

-6

✓

2040

Early Prolific, < K₂

3

DATES

HEADING FULL

DISEASES

1ST FULL RIPE

H.O. Cerco- White
spora Tip

B3911-3-7

2041

-8

2042

-9

2043

-10

2044

Early Prolific, sel

Co=R
2045

"

Smooth de smooth run alkali

2046

Smooth

10aSmooth
T.P.S

"

run alkali

2047

Smooth

Dr

Smooth

"

run alkali

2048

Dr

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

2049 Early Protific

Field plots

2050 B41-3299, BR Sel.

19
Tetra Sectors

2051 B41-3299- , BR Sel

2053

2052 "

2055

2053 "

2078

2054 "

2082

2055 Blue Rose Sel (1936) Early 2088

2056 Blue Rose Sel. (Early

Field plots

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Cercospora White Tip

Very Early Wx F Sel.

2057

Plot

for alkali

2058

Hn

C2920A41-2 Sel. (Tall type)

2059

Pl.

Early Prolific, CK

2060

C2920A41-2, Sel. (Tall type)

2061

Pl.

Prelude Sel. (Med-gr.)

2062

Shoemed Sel. (1942)

CO-S

2063

St Co

Kamrose-34 Sel

2064

54

Early

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

2065	B2913A29	♂ 401A	402A	2105
------	----------	--------	------	------

2066	B2913A29	Se!	(1942 Mid)	2106
------	----------	-----	------------	------

2067	"			2107
------	---	--	--	------

2068	"			2108
------	---	--	--	------

2069	"			✓
------	---	--	--	---

2070	"			2112
------	---	--	--	------

2071	"			✓
------	---	--	--	---

2072	Kamrose 47	(1942 v. Early)		2103
------	------------	-----------------	--	------

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

✓ Kamrose-47 (1942, v. Early.)

2073

✓ "

2074

✓ "

2075

✓ "

2076

✓ "

2077

✓ "

2078

✓ "

2079

Zenith, CK

2080

D A T E S		D I S E A S E S	
HEADING	FULL		
1ST FULL	RIPE	H. O.	Cerco- White spora Tip

2081 Kamrose - 47 (1942, v. Early) 2103 ✓

2082 " ✓

2083 " ✓

2084 " ✓

2085 B2913A29 (1942 v. E. Zenith type) 2113 ✓

2086 " ✓

2087 " ✓

2088 " ✓

D A T E S

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Cerro- White
spora Tip

B2913A29

(1942 V.E. Zenith type)

2089

"

2090

"

2091

"

2092

"

2093

"

2094

"

2095

"

2096

DATES

HEADING FULL DISEASES

1ST FULL RIPE I.O. Cerco- White
spora Tip

2097 B2913A29 (1942 V.E. Zenith type 2113

2098

"

✓

2099

"

✓

2100 B2913A29-1-1, Cox BR, CK. 4

2101 B2913A29, (1942 V.E. Zenith type 2113

2102

"

✓

2103

"

✓

2104

"

✓

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerro-
sporaWhite
Tip

113 82912A29, (V.E 1942 Zenith type)

2105

"

2106

"

2107

"

2108

"

2109

"

2110

"

2111

"

2112

DATES

HEADING	FULL	DISEASES
1ST FULL	RIPE H.O.	Cercospora White Tip

2113	B2913 A29; (1942 U.E. Zenith type)	2113
------	------------------------------------	------

2114	" earliest of all.	✓ Sl. later than others
------	--------------------	----------------------------

2115	Wilbur Hill (Zenith type)	Wilbur Hill E. Rex. field
------	--------------------------------------	------------------------------

2116	"	✓
------	---	---

2117	"	✓
------	---	---

2118	"	✓
------	---	---

2119	"	✓
------	---	---

2120	Zenith, th ck.	1
------	----------------	---

are typical Zenith

	DATES		DISEASES	
	HEADING	FULL		
	1ST F. L.	RIPE	H.O.	Cerco- White spora Tip
254		Zenith Sel	(1941)	M-62-1-1
				2121
	"			M62-1-2
				2122
	"			M-62-1-3
				2123
255	"			M62-2-1
				2124
	"			M62-2-2
				2125
	"			M62-2-3
				2126
256	"			M62-3-1
				2127
	"			M62-3-2
				2128

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerco-

spora

White

Tip

2129

Zenith Sel. (1941)

M62-4-1

2257

2130

411A3-2-1, (8323x2)

Earliest yield

2361

2131

411A3-4-1

"

2363

2132

411A3-5-1

"

2364

2133

411A3-6-1,

"

2365

2134

411A3-7-1

"

2366

2135

411A3-7-2

"

✓

2136

411A3-8-1

"

2367

Harvest in yield from
also listed as #43

12/15

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	H.O. Oerco- White spora Tip

267 411A3-8-2, (8323x2) ... 2137

268 411A3-9-1, " 2138

411A3-9-2 " 2139

269 Zenith, ck 2140

270 411A3-11-1, " 2141

271 411A3-12-1, " 2142

411A3-12-2, " 2143

411A3-12-3, " 2144

Plot #36 in field more
erect, called V. good.

Short straw
RS23 type
erect
now
by 1st
fruiting

A3-12 is plot 36 m

	DATES		FULL DISEASES	
	HEADING			
	1ST FULL	RIP E.O.	Cerco- spora	White Tip
2145	411A 3-12-4,		8323 x 2.	237)
2146	411A 3-12-5,		"	✓
2147	411A 3-12-6		"	✓
2148	411A 3-12-7,		"	✓
2149	411A 3-12-8,		"	✓
2150	411A 3-12-8,		"	✓
2151	411A 3-12-10,		"	✓
are 80% infected				
2152	411A 3-12-11,		"	✓

DATES
 HEADING FULL DISEASES
 1ST FULL RIPE H.O. Cerco- White
 spora Tip

4/1 A3-12-12, (83.23 x 2)

2153

4/1 A3-12-13,

2154

4/1 A3-12-14,

2155

4/1 A3-12-15,

2156

looks better than other rows.

Ln

4/1 A3-12-16,

2157

are of very
 curled
 uniform mat.
 big green length
 later shorter
 than most.

4/1 A3-30-1,

2158

4/1 A3-35-1,

2159

82913A 29-1-1, CI-8323, CK

2160

411A3-25 no pin
 earliest, most segregation

DATES		DISEASES	
HEADING	FULL	H.O.	Oerco- White
1ST FULL	RIPE	spora	Tip

411A3-35-2, (8323 x 2)

2161

2395

2162 411A3-35-3,

"

✓

2163 411A3-35-4,

"

✓

2164 411A3-35-5,

"

✓

2165 411A3-35-6,

"

✓

2166 411A3-35-7,

"

✓

2167 411A3-35-8,

"

✓

2168 411A3-35-9,

"

✓

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tid

41/A3-36-1, (8323 xZ)

2169

Hn

41/A3-41-1,

2170

41/A3-44-1,

2171

41/A3-54-1,

2172

41/A3-54-2,

2173

41/A3-55-1,

2174

41/A3-57-1,

2175

41/A3-60-1,

2176

DATES

HEADING	FULL DISEASES
1ST FULL	RIPE H.O. Cerco- White spora Tip

2177	F4-411A3-60-2,	(8323 x Z).	2422 Tail
------	----------------	-------------	--------------

2178	F4-411A3-60-3	"	✓
------	---------------	---	---

2179	F4-4117A 1-1-1,	(401A x 8324)	2424
------	-----------------	---------------	------

2180	F4-412A5-1 Early Prolific, ck.		Prob.E 3
------	---	--	-------------

2181	F3-412A5-41,	8323 x (K x 7143)	Prob.E
------	--------------	-------------------	--------

2182	-42		✓
------	-----	--	---

2183	-43		✓
------	-----	--	---

2184	-44		✓
------	-----	--	---

DATES

HEADING

FULL DISEASES

1ST FULL

RIP H.O.

Cerco- White
spora Tip

F3- 412A5-45,

8323 X (Kx7/43)

2185

-46

"

2186

-47

"

2187

-48

"

2188

-49

"

2189

-50

"

2190

-51

"

2191

-52

"

2192

DATES

HEADING

FULL

1ST FULL

RIPE

F₃ - 412A5-53,

8323 x (Kx7143)

2193

Prob.E, 2

F₆ - 3810A17-1,

(SxEP)x(CAxCdy)

2194

2679

2195

"

✓

2196

"

✓

2197

"

✓

2198

"

✓

2199

"

✓

2200

COX BK

CI-8323

CK,

4

DATES		DISEASES	
HEADING	FULL	H.O.	
1ST FULL	RIPE	Cerco- spora	White Tip
F6 - 38/DA 17-1		(SxEP)	(CAxGdy)
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			

2201

2202

2203

2204

2205

2206

2207

2208

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	H.O. Cerco- White spora Tip

F6- 2209	3810A17-1		(SxEP)x(CAxCdy) 2679
-------------	-----------	--	-------------------------

2210	"		268)
------	---	--	------

2211	"		✓
------	---	--	---

2212	"		✓
opague			

2213	"	has drying than others more vigorous	✓
opague			

2214	"		✓
opague			

2215	"		✓
opague			

2216	"		✓
opague			

DATES		FULL	DISEASES
HEADING	1ST FULL		
		RIPE H.O.	Cerco- White spora Tid

✓ F6- 38 DA17-1 (SxEP)x(CAxCdy) 2217

opage

2218

maybe clear

2219

opage

✓ E. Prolific, CK.

2220

✓ F6- 38 DA17-1. (SxEP)x(CAxCdy) 2221

opage

377 B3810B42-1, S-EP x CA-Cdy 2222

V.E.

month

✓ - 2

2223

✓ - 2

2224

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Cerco- White
spora Tip

2225

B3810 B43-4, S-EP x CA - Cdy

1/2

Earlier than EP. lots of vigor

377
V.E.
Smooth

-5

2226

✓

-6

2227

✓

-7

2228

✓
Rough

-8

2229

1/2 a very good EP
type, others

✓

-9

2230

✓

-10

2231

✓

F5- 40/A 25-1, BR-41 x 8323

2232

2133

13-2208 = 10 seg. rows (for stule type) 15
 5 normal rows.

DATES		FULL DISEASES	
HEADING	FULL	DISEASES	
1ST FULL	RIPE H.O.	Cerco- White spora Tip	
F5- 133	40/A 25-2,	BR-41 X 8323	2233
F5- 2133	40/A 25-3,	"	2234
F5- 158 157	40/A 52-1,	"	2235
F5- 157	40/A 52-2,	"	2236
F4 - 208	40/A Seg. found a large number normal abnormal-	"	2237 normal
F4 - 1	40/A Seg. normal abnormal	"	2238
F4 - 1	40/A Seg. normal- abnormal-	"	2239
4	COX BK	CI-8323, CK	2240

DATES

HEADING	FULL	DISEASES
1ST FULL	RIPE H.O.	Cerco- spora White Tip

F4 - 2241	40/A seg normal - abnormal -	BR-41X 8323 2208
--------------	------------------------------------	---------------------

F4 - 2242	40/A all normal	" ✓
--------------	--------------------	--------

F4 - 2243	40/A seg - normal - abnormal -	" ✓
--------------	--------------------------------------	--------

F4 - 2244	40/A seg - normal abnormal	" ✓
--------------	----------------------------------	--------

F4 - 2245	40/A seg - normal abnormal	" ✓
--------------	----------------------------------	--------

F4 - 2246	40/A all normal	" ✓
--------------	--------------------	--------

F4 - 2247	40/A all normal	" ✓
--------------	--------------------	--------

F4 - 2248	40/A all normal	" ✓
--------------	--------------------	--------

DATES		DISEASES	
HEADING	FULL	Oerco- White spora Tip	
1ST FULL	RIPE H.O.		
F4 - 40/A	BR-41 X 8323		2249
seg - normal abnormal			
F4 - 40/A	"		2250
seg - normal abnormal			
F4 - 40/A	"		2251
all normal			
F4 - 40/A	"		2252
seg - normal abnormal			
F4 - 40/A	"		2253
210			
F4 - 40/A	"		2254
F4 40/A	"		2255
F4 - 40/A	"		2256

D A T E S		F U L L D I S E A S E S	
HEADING	1ST FULL	RIPE	H.O. Cerco-spora White Tip

F4- 2257	40/A	BR-41	78323
-------------	------	-------	-------

2210
Smallest
clearest
grain

F4- 2258	40/A		
-------------	------	--	--

2211

F4- 2259	40/A		
-------------	------	--	--

✓

2260	E Prolific,	CK.	
------	-------------	-----	--

3

F4- 2261	4117A1-7-1,	40/A x 8324	
-------------	-------------	-------------	--

2430

F4- 2262	4117A2-9-1,		
-------------	-------------	--	--

2444

F4- 2263	4117A2-12-1,		
-------------	--------------	--	--

2447

F4- 2264	4117A2-12-2,		
-------------	--------------	--	--

✓

DATES		DISEASES	
HEADING	FULL	H.O.	
1ST FULL	RIP	Cerco- spora	White Tip
F4- 2598	4117A62-3-1,	401A x 8324	2265
F4- ✓	4117A62-3-2,	"	2266
F4- 425	4117A1-2-1,	"	2267
F4- 2451	4117A5-4-1,	"	2268
F4- 2461	4117A6-8-1,	"	2269
F4- 2469	4117A8-2-1,	"	2270
F4- 2479	4117A10-4-1,	"	2271
F4- 2484	4117A10-8-1,	"	2272

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O. Cerco- spora	White Tip

2273	F4- 4117A10-8-2,	40/Ax8324	2484
------	------------------	-----------	------

1st short star, much storking

2274	F4- 4117A10-9-1,	" "	2485
------	------------------	-----	------

2275	F4- 4117A11-1-1,	" "	2491
------	------------------	-----	------

2276	F4- 4117A16-1-1,	" "	2506
------	------------------	-----	------

2277	F4- 4117A25-3-1,	" "	2517 2519
------	------------------	-----	----------------------

2278	F4- 4117A57-1-1,	" "	2589
------	------------------	-----	------

2279	F4- 4117A63-1-1,	" "	2610
------	------------------	-----	------

2280	Zenith, CK,		
------	-------------	--	--

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerro- White

spora

TI

F5-404A1-2-1-1 BR-47xEP

2281

" - 2 "

2282

" - 3 "

2283

F5-404A1-18-1;1 "

2284

" - 2 "

2285

" - 3 "

2286

F5-404A1-18-3;1 "

2287

" - 2 "

2288

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	EL.O.
			Gerco- White spora Tip

2289 F5-B404A1-18-3-3, BR-4/xEP 2256

Nh

2290 F5-B404A1-18-5-1, " 2257

2291 -2 " ✓

2292 -3 " ✓

Nh

2293 F5-404A1-29-2-1, " 2268

Nh

2294 S -2 " ✓

2295 -3 " ✓

2296 F5-404A1-29-4-1, " 2269

DATES		FULL	DISEASES
HEADING	1ST FULL		
		RIPE	H.O. Cerco- White spora Tip

F5-B404A1-29-4-2, BR-41EP

2297

HR

"

-3,

"

2298

F5-B404A1-45-1-1,

"

2299

3

Early Prolific, CK.

2300

F5-B404A1-45-1-2,

"

2301

not for

-3,

"

2302

F5-B404A1-45-2-1,

"

2303

-2,

"

2304

not for

✓
 aw of my
 shorted
 showed for

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE

H.O. Cerco- White
spora Tip

2305 F5-B404A1-45-2-3 BR-41xEP 2271

2306 F5-B404A1-45-3-1, " 2272

2307 -2, " ✓

2308 -3, " ✓

2309 F5-B404A1-72-3-1, " 2278

2310 -2, " ✓

2311 -3, " ✓

2312 F5-B404A1-32-4-1, " 2286

DATES			FULL DISEASES
HEADING	FULL	1ST FULL	
		RIPE	H.O. Cerco- White spora Tip

286 F5-B404A1-32-4-2, BR. 4/1 XEP

2313

He

-3,

"

2314

291 F5-B404A1-51-21,

"

2315

-2,

"

2316

Nr

-3,

"

2317

~~He~~

292 F5-404A1-51-3-1,

"

2318

He

-2,

"

2319

3 Early Prolific, <K

2320

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Gerco- White
spore Tip

2321

F5-B404A1-51-3-3, BR-41 XEP

2292

2322

F5-B404A1-51-12-1,

"

2297

12

2323

-2,

"

✓

2324

-3,

"

✓

2325

F5-B404A1-52-4-1,

"

2298

12

2326

-2,

"

✓

2327

-3,

"

✓

2328

F4-B404A24-1,

"

2223

DATES		DISEASES	
HEADING	FULL	H.O.	Cercó- White spora Tip
1ST FULL	RIPE		

F4-8404A24-2, BR-41xEP

2329

-3,

"

2330

23

F4-B404A73-1,

"

2331

23

-2,

"

2332

-3,

"

2333

F4-B404A31-1,

"

2334

F3-424A1

(BR-41xEPx4011-BR)

2335

prob. clear.

P

A2

2336

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	H.O.

Cerco- White
spora Tip

F₃- 424A3, BR-41-EP x 4011-BR
2337

Prob.
clear

2338 A4

"

✓

2339 A5

"

✓

2340 Early Prolific, CK.

3K

F₃- 424A6, BR41-EP x 4011-BR
2341

✓

2342 A7,

"

✓

2343 A8

"

✓

2344 A8

"

✓

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE H.O.	Cerco- spora White Tip
F3 - 424A10,		BR41-EPx	4011-BR
			2345
✓ A11,		"	2346
✓ A12,		"	2347
- A13,		"	2348
- A14,		"	2349
- A15,		"	2350
3- 425A1		BR41-EPx	F-BR
			2351
425A2,		"	2352

DATES

HEADING

1ST FULL

FULL DISEASES

RIPE H.O.

Cerco- White
spora Tip

F3- 425A3,
2353

BR41-EPx F-BR

2354

A4,

"

2355

A5,

"

2356

A6,

"

2357

A7,

"

2358

A8,

"

2359

A9,

"

2360

Early Prolific, CK

3

DATES		DISEASES		
HEADING	FULL	H.O.	Cerco- spora	White- Tip
1ST FULL	RIPE			
✓ F ₃ -425A10,	BR41-EP x F-BR			2361
✓ A11,	"			2362
✓ A12,	"			2363
✓ A13,	"			2364
121 Telude Mat.	Ah-11-1 x A5-1-3 (Crowley)			2365
115 rel. Mat.	"			2366 <u>1/2</u>
129 rel. Mat	"			2367 <u>1/2</u>
131 rel. Mat	"			2368

DATES		FULL DISEASES	
HEADING			
1ST FULL	RIP	H.O.	Oerco- White spora Tip

Ah-11-1 x AS-1-3 (crowley)

2369

C138

EP.Mat

F7-3722A1-35-1-1, Fx BR

2370

2627

-2, "

2371

✓

-3, "

2372

✓

F7-3722A1-52-5-1,

"

2373

2650

opaque

B.R. (Wilf.-40)

2374

2776

"

2375

✓

"

2376

✓

DATES		DISEASES		
HEADING	FULL	H.O.	Cercospora	White Tip
1ST FULL	RIPE			
777	B. R. (WILF-40)			2377
786	B. R. (WILF-40)			2378
787	"			2379
1. head shatt				
56	Bluebonnet, ck			2380
788	B. R. (WILF-40)			2381
643	F6-3810A7-2 (S-EP x CA+Cdy)			2382
mouth bud-yr.				
645	F6-3810A9-3,	"		2383
mouth bud-yr. o. j. W. j. in 1942	Tall, very productive			HW
2-726	F6-3726B39-10-3, F1 (corCub) x C			2384
1. stiff stem				

DATES		FULL DISEASES	
HEADING			
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

2385	FS-3942A4-2-1,	Fi(Co x cub)x	(SP-SJ) (2739 Proh.?)
------	----------------	---------------	-----------------------------

2386	Bl. Rose, Sc1	(1941 Red Type)	Co-K 2761
------	---------------	-----------------	--------------

2387	do		✓
------	----	--	---

2388	do		2762
------	----	--	------

2389	do		✓
------	----	--	---

2390	do		2766
------	----	--	------

2391	do		✓
------	----	--	---

2392	Bl. Rose	Rogue	2797
------	----------	-------	------

DATES			DISEASES		
HEADING	FULL		H.O.	Cerco- spora	White Tip
1ST	FULL	RIPE			

Bl. Rose rogue

798

2393

✓

do

✓

2394

do

2799

2395

Fs

Blue Rose

Colch rogue

352

smooth

(from Bulk-Hyb plot)

2396

He

✓

do

2397

He

✓

do

2398

✓

do

2399

He

Blue Rose, CK

107

2400

DATES

HEADING

FULL DISEASES

1ST FULL

RIP H.O.

Cerro- White
spora Tip

2401 Blue Rose Colch Rogue
(from Bulk-Hyb Plot) 352

2402

do

H. Shatter

✓

2403

do

✓

2404

do

short straw smooth very uniform ✓
H. ht & type. Published sel from rigiplo

2405

do

✓

2406

do

✓

2407 B41-3282 BR. Sel (Smooth) 2825

H. Shatter

2408 F4-412A 1-3-1, (41-3282 x BR-41) 2831

DATES		FULL DISEASES	
HEADING			
1ST F	RIPE	H.O.	Cerco- White spores Tip

231 F4-4112A1-3-2, (B41-3282 x BR-41) 2409

1836 F4-4112A5-5-1, " 2410

1843 F4-4112A5-11-1, " 2411

1953 F5-40 45A3-1, (B323A2-8 x BR-41) 2412

✓ A3-2, " 2413

✓ A3-3, " 2414

2794 Smooth BR (Fplots 19 ?) 2415

2795 " " 2416

	D A T E S HEADING 1ST FULL	FULL RIP	D I S E A S E S H.O. Cerco- White spora Tip	
2417	Smooth	BR	(F. Plots 19 ?)	2795
2418	"	"	"	✓
2419	Late Comp.			Late Comp. 9/23/43
2420	Blue Rose 41,	ck.		108
2421	Late Comp.			✓ 2421 from 1943
2422	"			✓ BR type clean for H.O.
2423	Abnormal BR from Cold Lead Trent			5098
2424	Normal BR-41 from ark	Tetraploid		5101

	DATES		DISEASES	
	HEADING	FULL	H.O.	Cereo- White spora Tip
	1ST FULL	RIPE		
5 42-2764 Rough Nat/Cr	Natl. Cross (1942) from, B323 B39-13, R x S Br			2425
	Ex all at Shan, uniform grain type do			2426
✓				
Fig 350	Short x Med-gr. upright panicle, v good strain dry grain type looks to be best in field			2427 He
	do			
✓	Similar to 2427 grow best one.			2428 No
2847	Fortuna x Red			2429
2846	Acadia rogue			2430
4- 2885	401A 103 (BR. 41 x 8523)			2431
5- 2888	401A 3-19		"	2432

DATES		DISEASES	
HEADING	FULL	H.O.	White
1ST FULLY	RIPE	Cerco-	Tip
		spora	

2433 F5-40/A3-25, (BR-4/x8323) 2896

Br v. uniform, shad strain
green strain

2434 A3-24, " 2897

2435 to 2450 are v. early types.

2435 F4-4117A1-1-1 (BR-41-8323)x8323 2424
v. Early

Br

2436 F4-4117A1-4-1 " 2427

2437 F4-4117A1-10-1, " 2433

2438 A1-10-2, " ✓

2439 F4-4117A11-6-1, " 2496

2440 Blue Rose, CK, 107

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White
1ST FULL	RIPE	spora	Tip

554 F4-4117A39-1-1, (BR-41x8323)x8324 2441

2588 F4-4117A55-5-1, " 2442

2596 F4-4117A62-1-1, " 2443

✓ A62-1-2, " 2444

✓ A62-1-3, " 2445

✓ A62-1-4, " 2446

✓ A62-1-5, " 2447

2616 F4-4117A63-7-1, " 2448

DATES			
HEADING	FULL	DISEASES	
1ST FULL	RIP	H.O.	Cerco- spora White Tip
2449	F4-4117A63-7-2,	BR-4-8323 x 8324	2616
2450	A63-7-3,	"	✓
2451	F4-4117A1-11-1,	are about Ep. maturity	2434
2452	F4-4117A10-5-1,	"	2481
2453	A10-5-2,	"	✓
2454	F4-4117A12-5-1,	"	2504
2455	F4-4117A16-5-1,	"	2510
2456	F4-4117A53-4-1,	"	2575

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

F₃-412A5-1, 8323 x K-7/43
2457

ates

✓ A5-2

2458

Hen

✓ A5-3

2459

129 B3712A1-7 CI-8326, CK. 2460

✓ F₃ 412A5-4

2461

✓ A5-5

2462

✓ A5-6

2463

✓ A5-7

2464

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE

Cerco- White
spora Tip

F3-412A5-8
2465

8323 x K-7143

lates

2466

A5-9

"

✓

2467

A5-10

"

✓

2468

A5-11

"

✓

2469

A5-12

✓

2470

A5-13

✓

2471

A5-14

✓

2472

A5-15

✓

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

✓ E3 -412A 5-16, 8323 x K-7145 2473

✓ AS-17

2474

Hu

✓ AS-18

2475

✓ AS-19

2476

✓ AS-20

2477

✓ AS-21

2478

✓ AS-22

2479

13D B62-4-1, K1H Rogue, CK 2480

D A T E S

HEADING

FULL DISEASES

1ST FULL

RIP H.O.

Cerco-
spora

White
Tip

2481

F3- 412 A5-23, 8323 x N-7/43

Late

2482

A5-24

✓

2483

A5-25

✓

2484

A5-26

✓

2485

A5-27

✓

2486

A5-28

✓

2487

A5-29

✓

2488

A5-30

✓

DATES		DISEASES		
HEADING	FULL	H.O.	Cerco- spora	White Tip
1ST FULL	RIPE			

✓ F3-412A5-31, 8323 x K-743

2489

✓ A5-32

2490

✓ A5-33

2491

✓ A5-34

2492

✓ A5-35

2493

✓ A5-36

2494

✓ A5-37

2495

✓ A5-38

2496

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Oerco-
spora

White
Tip

F3- 412 A5-39, 8323 x K-7143
2497

late.

2498 A5-40

✓

F5- 404 A1-63-1, BR-41 x EP
2499

2915

2500 smooth-hull

144

B3710 A1-3, K-N x BR
2501

2968

2502

grow in place of A1-3 in yield
masonry.

✓

2503

✓

2504

✓

DISEASES	
HEADING	FULL
1ST FULL	RIPE H.O. Cerco- White spora Tip

B3710A1-3,

K-H x BR

969

2505

"

2506

"

970

2507
 25 signature for grain length
 most sele, spathy, straw is exceptionally
 green, like H1-3, not as tall

B3712A1-15,

K-H x BR

976

2508

"

2509

H

2510

"

2511

Hv

"

2512

DATES

HEADING

FULL

DISEASES

1ST FULL

RIP

H.O.

Cerco-
spora

White
Tip

2513 B3712A1-15,

K-H x BR

2976

2514

"

2979

2515

"

✓

2516

"

✓

2517

"

2982

2518

"

✓

2519

"

✓

2520

BR-41, CK,

108

D - DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	H.O. Cerco- White spora Tip

76	2983	B3712 A1-15,	K-H x BR.	2521	H
79	✓	"		2522	
	2984	C4016 A	K*47 x BR-41	2523	
	✓	"		2524	
2	2995	C4016 A	K-47 x BR-41	2525	
	✓			2526	
	2999		"	2527	
	✓			2528	

DISEASES	
HEADING	FULL
1ST FULL	RIPE

Fs-C 4016A
2529

K-47 x BR-41

3005

2530

3008

2531

3009

2532

✓

2533

✓

Fs 4016A18
2534

K-47x BR-41

3012

2535

3012

Possibly mixed
with another

2536

3013

D A T E S			D I S E A S E S	
HEADING	FULL	RIPE	H.O.	Cerco- White spora Tip
1ST	FULL	RIPE		

5	3014	F5 - 4016A2		K-47 x BP-41	2537
8	3015	"			2538
9	3016	"			2539
		Kumrae-47, 113	<K.		2540
	3019	F5-4016A9,			2541
	3021	F5-4016A10			2542
	3022	F5-4016A11			2543
	3023	F5-4016A12			2544

DISEASES	
HEADING	FULL
1ST FULL	RIPE

H.O.

Cerco- White
spora Tip

F5-4016A13,

K-47x BR-41

3024

2545

"

2546

3025

2547

"

✓

2548

F5-4016A14,

"

3026

2549

"

✓

2550

"

3027

2551

"

3028

2552

F5 4016A15,

"

3029

D A T E S			FULL DISEASES
HEADING			
1ST FULL	RIPE	H.O. Gerco- White spora Tip	

3029 FS-4016A15, R-47x BR-4/ 2553

3030 FS-4016A17, " 2554

3033 FS-4015A2, ~~BR~~ 2912A13x BR-4/ 2555

✓ " 2556

3034 FS-4015A3, " 2557

3044 FS-4015A15, " 2558

3045 " 2559

III Kamrose-34, <K. 2560

DISEASES	
HEADING	FULL
1ST FULL	RIPE

2561 FS-4015A18, 2912A13 x BR-41 3046

2562 FS-4015A19, " 3047
easily thrashed

2563 " ✓
✓

2564 FS-4015A23, " 3049

2565 FS-4015A26, " 3051

2566 FS-4015A28, " 3053

2567 FS-4015A29, " 3054

2568 " 3055

D A T E S		F U L L D I S E A S E S	
HEADING	1ST FULL	RIPE	H.O.
			Gerco- White spora Tip

F5 - 4015A32, 2912A13 x BR-41

3056

2569

3057

2570

3058

2571

✓

2572

3059

F5 - 4016A17 . R-47 x BR-41

2573

✓

2574

3062

F5 - 4017A20, Arkrose x BR-41

2575

3063

F5 - 4017A21-1

2576

DATES		DISEASES	
HEADING	FULL	H.O.	White
1ST FULL	RIPE	Cerco- spora	Tip

2577 F5 4017A21-2, Arkrose xBR-41 3063

2578 4017A21-3 " ✓

2579 4017A21-4 " ✓

2580 Arkrose, ck.

2581 B2912A534 sel. 3066

2582 B2912A13 sel. 3067

2583 " 3068

2584 " 3071

	DATES		DISEASES	
	HEADING	FULL		
	1ST FULL	RIPE	H.O. Cerco- spora	White Tip
3075	BB/72-1-2	roque	(CA x LW)	2585
✓	"			2586
3078	F4-4019A1-1-1	SP	x 2912A13	2587
	Rather late mat. very uniform			
✓	A1-1-2			2588
3079	A1-2-1		"	2589
✓	A A1-2-2			2590
3081	A1-2-1			2591
✓	A1-2-2			2592

DATES		FULL DISEASES	
HEADING			
1ST FULL	RIP	H.O.	Cerco-spora White Tip

2593	F4- 4019A1-3-3,	SP x 2912A13	3081
------	-----------------	--------------	------

2594	A1-3-4,	"	✓
------	---------	---	---

2595	A1-4-1,		3082
------	---------	--	------

2596	A1-4-2		✓
------	--------	--	---

2597	A1-6-1		3084
------	--------	--	------

2598	A1-7-1		3085
------	--------	--	------

2599	A1-7-2		✓
------	--------	--	---

2600	Blue Rose, ck.		107
------	----------------	--	-----

BATES			
HEADING	FULL	DISEASES	
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

3087 F4-4019A1-9-1, SPx2912A13 2601

✓ A1-9-2, 2602

✓ A1-9-3 2603

3088 A1-10-1 2604

✓ A1-10-2 2605

3089 A1-11-1 2606

✓ A1-11-2 2607

✓ A1-11-3 2608

DATES

HEADING

FULL DISEASES

1ST FULL

RIP H.O.

Cerco- White
spora Tip

2609 F4-4019 A1-11-4, SP x 2912A13

3089

2610 F4-4019 A1-12-1,

3090

2611

A1-12-2,

✓

2612

A1-12-3

✓

2613

A1-12-4

✓

2614

A1-12-5

✓

2615

A1-13-1

3091

2616

A1-13-2

✓

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Gerco- White spora Tip

✓ F4- 4019A1-13-3 ; SPx2912A13 2617

3115 F4- 4046A3-10-1, (2920A9 x BR-4) 2618

3117 F4- 4046A3-12-1 2619

108 BR-4/ 2620

3117 F4- 4046A3-12-2 2621

✓ A3-12-3 2622

3135 F6- 379A4 K-H x SP-SJ 2623

3137 A6 2624

DATES		FULL DISEASES	
HEADING	1ST FULL	RIP H.O.	Cerco- White spora Tip
2625	F6- 379A6		R-N x SP-SJ 3137
2626	"		✓
2627	F6 379A6		3138
2628	F7- 3715A23-3	F(3512A x SBR	3143
2629	A18-2-1		3146
2630	A28-6-1,		3148
2631	A38		3162
2632	A38		✓

DATES		DISEASES	
HEADING	FULL	H.O.	White
1ST FULL	RIPE	spora	Tip
3715A38	F, 3512A	x	SBR
2941			2633
F4 - 4044A	3-1-1,	(323A2-8x BR)	
2941			2634
			Ho
F4 - 4044A	3-2-1,	"	
2942			2635
F4 - 4044A	3-4-1,	"	
2944			2636
	A 3-4-2,	"	
✓	Uniform mat, earlier than BT		2637
	Ho gold & straw separately		Ho
	A 3-5-1,	"	
2945			2638
	A 3-5-2,	"	
✓	a number of quite good types, short straw early		2639
107	Blue Rose, CK,		2640

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

F4-4045A1-2-1, 323A2-8 x BR-41

2947

2641

-2

"

2642

✓

-3

"

2643

✓

4045A1-4-1

"

2644

2949

Nu

-2

"

2645

seg mat.
at least as early as subject Hill sets, much taller
- more vigorous. Same as early plants.

Hill E. Rexoro

2646

Smooth Med-gr.

2647

✓

2648

✓

DATES		DISEASES		
HEADING	FULL	H.O.	Gerco- spora	White Tip
1ST. FULL	RIPE			

2649

Hu

Hill Early Rexoro

earliest pan.

in field

2650

2651

2652

2653

Hu

2654

2655

2656

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White
1ST FULL	RIP	spora	Tip

2657 Hill, Early Rexora ✓

2658 ✓

2659 ✓

2660 Bluebonnet

56

2661 Standing better than over type, shorter than
 than others also shorter & earlier than Bluebonnet ✓
 Different from other rows of Earl E. Rex.
 more of a Rex growth habit. No. a member of set
 does not have wide spreading leaves of other upright,
 shorter stem

2662 ✓

2663 ✓

2664 ✓

DATES

HEADING		FULL		DISEASES		
1ST	FULL	RIPE	H.O.	Cerco- spora	White Tip	

✓ Hill, Early Rexoro.

2665

✓ 2666

✓ 2667

✓ 2668

✓ 2669

✓ 2670

✓ 2671

✓ 2672

DATES		DISEASES	
HEADING	FULL	H.O.	Oerco- spora
1ST FULL	RIPE		White Tip

2673	Hill, Early	Rexoro		✓
------	-------------	--------	--	---

2674				✓
------	--	--	--	---

2675				✓
------	--	--	--	---

2676				✓
------	--	--	--	---

2677				✓
------	--	--	--	---

2678				✓
------	--	--	--	---

2679				✓
------	--	--	--	---

2680	R x N			95
------	-------	--	--	----

	D A T E S			D I S E A S E S			
	H E A D I N G		F U L L	H.O.	Cerco-	White	
	1st	FULL	RIPE		spora	Tip	
✓	Hill,	Early	Rexoro				2681
✓							2682
✓							2683
175	X		297A29-1 X Rexoro				2684
e162 include Mat.	X						2685
3428	F4-403/A	1-1-1	TP x 323A5-8				2686
✓	plot 266	A1-1-2					2687
✓		A1-1-3					2688
							120

	DATES		DISEASES		
	HEADING	FULL	H.O.	Cercospora	White Tip
2689	F4-4031	AT-1-4	TP x	323	A5-8
					3428
2690		A1-1-5			✓
2691	Plot # 228 on yield more V. blight than V. early fair	A1-3-1			3430
2692		A1-3-2			✓
2693		A1-3-3			✓
2694		A1-8-1			3433
2695		A1-8-2			✓
2696		A1-8-1			3435

DATES			DISEASES		
HEADING	FULL		H.O.	Cerco- spora	White Tip
1ST	FULL	RIPE			

✓ F4-403/A1-8-2, TP x 323A5-8

2697

✓ A1-8-3

2698

Hu

444
Best shape
& length
A1-16-1

2699

Bluebonnet, CK.
56

2700

✓ F4-403/A1-16-2

2701

✓ A1-16-3

2702

✓ A1-16-4

2703

3448
A1-20-1

2704

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE E.O.

Cerco- White
spora Tip

2705 F4-403/A1-20-2, TPx 323A5-8 3448

2706 A1-23-1 3451

2707 A1-23-2
Has a very long grain ✓
Very good

2708 A1-23-3 ✓

2709 A1-23-4 ✓

2710 A1-23-5 ✓
Has shorter straw than others

2711 A1-18-1 3446
later than others but earlier than
T.P.

2712 A1-24-1 3452
Best gr. type

Looks very good in field now.
plant to 2

DATES		DISEASES	
HEADING	FULL	H.O.	Oerco- White spora Tip
1ST FULL	RIPE		

3452 F4-403/A1-24-2, TP x 32345-8 2713

✓ A1-24-3 2714

✓ A1-24-4 2715

3459 A1-31-1 2716

3459 A1-31-2 2717

3461 A1-32-1 2718

Stockdick - Early Rexoto 2719
caty

49 Mira 2720

DATES

HEADING

FULL DISEASES

1ST FULL

RIP H.O.

Cercospora White
Tip

Stockdick - Early Rexoro

2721

Katy

2722

✓

2723

✓

2724

✓

2725

✓

2726

✓

2727

✓

2728

✓

DATES		DISEASES		
HEADING	FULL			
1ST FULL	RIPE	H.O.	Cerco- spora	White Tip

✓ Stockdick - Early Rexoro

2729

✓ 2730

✓ 2731

✓ 2732

✓ 2733

✓ 2734

✓ 2735

✓ 2736

	DATES HEADING 1ST FULL FULL RIPE	DISEASES	H.O.	Cercospora	White Tip	
2737	Stockdick, Early	Rexoro			Katy	✓
2738					✓	✓
2739					✓	✓
2740	Bluebonnet				56	✓
2741					✓	✓
2742					✓	✓
2743					✓	✓
2744					✓	✓

DATES		FULL DISEASES	
HEADING	1ST FULL	RIP H.O.	Cerco- White spora Tip

✓ Stock lick - Early Texoro

2745

✓ 2746

✓ 2747

✓ 26 2/1
35 2748

✓ 2749

✓ 2750

✓ 2751

✓ 2752

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

Stockdick - Early Roxoro

2753

Katy

2754

✓

2755

✓

2756

✓

2757

✓

2758

✓

2759

✓

2760

ma, CK,

49

cut a number of these
about Blueberry maturity
These cut are of uniform
gold hulls, these
were bulked.
rope, sl. later maturity
+ lighter

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE H.O.	Gerco- White spora Tip

✓ Stock dick, Early Rexoro

2761

2762

~~Bluebonnet Sel.~~ (Gold hull)
Katy

2763

Bluebonnet Sel, (Gold-hull)

56 Like Bluebonnet, except for hull
color

2764

HN

96 F6-3911843-1, SP-SJX K-BR

2765

Nira Sel, (Gold-hull)

el Sai-v) Very good types seg early v. late

2766

74 Nira Sel (Nome) v. Early type

2767

782 T. Patna Sel. (Nome)

2768

	DATES		DISEASES		
	HEADING	FULL	H.O.	Cerco- spora	White Tip
2769	T. Patna	Set	(Nome)		
					3786
2770	do				
					3788
2771	do				
					✓
2772	do				
					✓
2773	do				
					✓
2774	do				
					✓
2775	do				
					✓
2776	do				
					✓

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Oerco-
sporaWhite
Tip

T. Patna Sel. (Nome)

2777

1/2

do

2778

do

2779

T. Patna Sel A, ck

2780

T. Patna Sel (Nome)

2781

do

2782

do

2783

Stockdick, - Nira Sel

2784

aty

DATES		DISEASES		
HEADING	FULL	H.O.	Cerco- spora	White Tip
1ST FULL	RIPE			
2785	Stockdick - Nira Sel			Katy
2786				✓
2787				✓
2788				✓
2789				✓
2790				✓
2791				✓
2792				✓

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIP	H.O.	Gerco- spora
			White Tip

Stockdick, - Nira Sel

2793

2794

2795

2796

2797

2798

2799

2800

are all typical Nira

Nira, CK.

DATES DISEASES
 HEADING FULL H.O. Cerco- White
 1ST FULL RIFE spora Tip

2801 F4-4025A 1-11-1, (33/3A1-16 x 33/3A1-4)
 3267

2802 A1-11-2 ✓

2803 A1-13-1 3266

2804 A1-15-1 3268

2805 A1-15-2 ✓

2806 A1-15-3 ✓

2807 A1-15-4 ✓

2808 A1-16-1 3269

DATES		FULL DISEASES	
HEADING	1ST FULL	RIPE	White Tip

Cerco-
spora

F4-4025 A1-17-1, (3313 A1-16 x 3313 A1-14)

all mid

2809

A1-17-2

Seg mid v. late

2810

A1-18-1

2811

A1-18-2

2812

A1-18-3

2813

A1-18-4

2814

A1-18-5

2815

A1-21-1

2816

	DATES			DISEASES		
	HEADING	FULL		H.O.	Cercospora	White Tip
		1ST	FULL			
2817	F4-4025A1-25-1,					
						3278
2818	A1-25-2					✓
2819	A1-25-3					✓
2820	Blueberry, CK					56
2821	F4-4025A1-26-1,					3279
2822	A1-26-2					✓
2823	A1-38-1					3290 ✓ very strong
2824	A1-38-2					✓

DISEASES	
HEADING	FULL
1ST FULL	RIPE
H.O.	Cerco- White spora Tip

F4-4025A 1-3P-3, 33/3A1-16 x 33/3A1-4 2825

F4-4026A 5-6-1, 33/3A1-16 x R 2826

Plot # 74
U. good. Another short
2nd day stop
A5-⁶⁻²~~8-2~~ 2827

A5-⁶⁻³~~8-3~~ 2828

A5-⁶⁻⁴~~8-4~~ 2829

Push most uniform

Ho

Plot # 261
in field
A5-12-1 2830

Taller than 2829 et al

Plot # 262
in field
A5-23-1 2831

Plot # 262
in field
A5-23-2 2832

DATE

DISEASES

HEADING

FULL

H.O.

Cerco- White
spora Tip

1ST FULL

RIPE

2833 F4- 4026 A5-23-3, (3313A-16 x R) 3350

2834 A5-23-4 ✓

2835 A5-31-1 3358

2836 A5-31-2 ✓

2837 A5-31-3 ✓

2838 A5-31-4 ✓

2839 F4- 4033A 4-4-1, TP x 3313A1-16 3365

2840 Rx N 95

264 in
yellow mud.

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

F4-4033A4-4-2, TPx 3313A1-16
265 2841

A4-4-3

2842

A4-11-1

2843

A4-12-1

2844

A4-15-1

2845

A4-15-2

2846

A4-15-3

2847

Time budding early

120

A4-15-4

2848

Plot #70, some V. early type, rather short stem, fairly good

Some are about TP maturity and have much stiffer stem than TP.

DATE DISEASES

HEADING

FULL

H.O.

Cerco-
spora

White
Tip

1ST FULL

RIPE

2849 F4-4033 A4-15-5, TPx3343A1-16 3376

No advance in breeding late
conform. is good substitute for T. Paton (stiff stem about TP. maturity)
A4-15-6

2850

2851 F4-4033A4-17-1,

3378

A4-24-1,

2852

3386

2853

A4-30-1

Push best now, short stem 3392

No

2854

A4-30-2

about like 2853 for bet. ✓

2855

A4-30-3

quite tall ✓

2856

A4-30-4

Very tall ✓

Plot #80, good

D A T E S

HEADING	FULL	DISEASES
1ST FULL	RIPE	H.O. .Oerco- White spora Tip

F4-4033A4-30-5, TPx 3313A1-16

2857

Unknown

2858

Unknown.

2859

*gms talk, prob
TPx 3313A1-16
Very productive*

mira, CK

2860

F4-4033A4-31-1, TPx 3313A1-16

2861

A4-32-1

2862

A4-33-1

2863

A4-38-1

2864

Very good plant stands, late

DATE DISEASES

HEADING

FULL

H.O.

Oerco-
spora

White
Tip

1ST FULL RIPE

F4- 4033A4-43-1, TPx 3313A1-16

3406

2865

2866

A4-43-2

2867

A4-43-3

Hardly as good as 2868,
all rows are very much alike

2868

A4-43-4

most uniform list, pl. later
than some, Prob best row

2869

A4-43-5

2870

A4-43-6

2871

A4-43-7

2872

A4-43-8

Plot # 72. - done very early types: Excellent
plot, Tall enough & long.

DATES		DISEASES		
HEADING	FULL			
1ST FULL	RIPE	H.O.	Cerco- spora	White Tip

F4-4033A4-43-9, TPx3313A1-16

2873

Hv

A4-43-10

2874

Hv

A4-43-11

2875

Hv

A4-46-1

2876

A4-47-1

2877

Hv

410

plot 267
 Sh. shorter straw than A4-43-
 Very good
 in type, variable, much inferior to A4-45. 9/10 appearance good.

F4-4032A3-1-1, TPx321A2-8

462

2878

A3-1-2,

2879

50

Fortuna, <K.

2880

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

2881 F4-4032A3-1-3, TPx 321A2-8 3462

2882 A3-3-1, 3464

2883 A3-18-1 3479

2884 A3-33-1 3495
*Very short stay, than T.P.,
 fair, early*

2885 A3-36-1 3498

2886 ~~plus 265~~ A3-37-1 3499

2887 F5-3712A1-2-1 SxR 3706

2888 A8-1-1, 3710

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST	FULL	RIPE	

F5 3713A8-1-2 S x R

710

2889

A8-1-3,

✓

2890

A10-1-1

714

2891

A10-1-2

✓

2892

A10-1-3

✓

2893

A13-2-1

717

2894

A13-2-2

✓

2895

Hr

A14-1-1,

718

2896

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

F5- 3713A17-2-1, S x R

2897

3722

A18-1-1,

2898

3729

A19-1-1,

2899

3730

Hv

ma mat

346B40-4, S x N, CK.

12)

2900

F5- 3713A22-1-1, S x R

2901

3733

Hv

V. short stem
prob stiffest stemed in long, slender - group
short stem, stems quite green.

F5- 3713A24-3-1,

2902

3736

A24-3-2

2903

✓

A24-3-3

2904

✓

DATES
HEADING FULL DISEASES
1ST FULL RIPE H.O. Cerco- White
spora Tip

F5 - 3713A 25-1-1, SxR

737

2905

F10 - 347B 39-18, RxN

750

2906

Hu

F10 - 347B 40-9, RxN

752

2907

Hu

~~Very maturity~~
~~Short straw~~

Very similar in let and straw type to 2901
Very outstanding. Sl. taller than 2901

F10 - 347B 41-3, RxN

753

2908

do

754

2909

F10 - 347B 41-5 RxN

756

2910

F10 347B 41-7, RxN

757

2911

F10 - 347B 42-2, RxN

761

2912

DATES			DISEASES		
HEADING	FULL		H.O.	Cerco- spora	White Tip
1ST FULL	RIPE				

2913 Fio - 347B 42-5, Rx N 3764

2914 Fio - 347B 42-6, " 3765

2915 Fio - 347B 42-8, " 3767

2916 Fio - 347B 42-10,

Her Very short straw
 Has shorter straw than either 2901 or 2907
 Is a little later than 2907? Much shorter than Bonnet

*miss
mutants*
 Excellent grain
 texture, dark
 supple to comp
 B-N for
 S-R 269

2917 Fio - 347B 42-11, " 3770

2918 Fio - 347B 42-14, 3773

2919 Fio - 346B 39-9, Sx N 3739

2920 Blue bonnet, cK.

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tin

F10 - B346B39-9, SxN

2321

739
red lit
long lobe
off stem

do

2322

do

2323

F10 - B346B39-18, SxN

2324

do

2325

F10 - 346B41-2, SxN

2326

F10 - 346B42-1,

2327

do

2328

DATES		DISEASES	
HEADING	FULL		
1ST F.	RIPE	H.O.	Cerco- White spora Tip

2929	F10 - 346 B 42-2,	SxN	3745
2930	F10 - 346 B 42-3,	"	3746
2931	F10 - B 346 B 42-6,	"	3749
2932	F10 - 346 B 43-1,	"	361 V. long-gr
2933	F7 - 376 A 2-7-2, (IBR-FxS) Has very stiff shaw, no shell		3674
2934	do		3675
2935	do		✓
2936	" do		3678

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco-White
1ST FULL	RIPE	spora	Tip

F7 - 376A2-7-2, (IBP-FxS)

3679

2937

do

v

2938

do

v

2939

Nira, ck

2940

F7 - 376A2-7-2,

3683

"

2941

F7 - 376A2-34-5,

3688

"

2942

F7 - 376A2-37-2,

3689

"

2943

F7 - 376A2-41-2,

3690

"

2944

DATES

DISEASES

HEADING

FULL

1ST F L

RIPE H.O.

Cerco- White
spora Tip

2345 Fy- 376A 2-47-1, (IBR-F x S) 3692

v. long panicles
one of longest ever
observed, bud. true

2346 ~~Fy- 376A 2-60-4~~
B 3313 B 42, RX 7689 3795

2347 ~~Fy- 376A 2-70-4~~
F11- 3318 B 40-2, 7689 X F 3798

2348 do " ✓

2349 do " ✓

2350 ~~Fy- 376A 2-72-4~~
B 3716, Nira 3799

2351 TATMAN 3804
Hv } Buded v. little shot

2352 TAMAN 3804
Hv } Substituted for pnyet pin pr. smoot
short straw than pnyet

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

3805 Gold-hull Fortuna

2953

✓ do

2954

3875 F₁₀ - 352A 11-2-1-1, KxR

2955

3698 F₉ - 357A 1-32-1-7, SPx7143

2956

5.P1. Rexoro Sel. (Med-gr.)

2957

286 B32/B40-3, Sel

2958

(rough gold)
rob. rough

do

2959

286

Tall, No
lavor

Rexoro, CK.

2960

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Cerco-
spora

White
Tip

F4- 4031 A1- 7-1, TPx 323A5-8

3434

2961

2962

A1-7-2,

✓

2963

A1-7-3,

✓

2964

A1-7-4

✓

2965

A1-7-5

3

✓

2966

A1-7-6

✓

2967

A1-7-7

✓

2968

A1-7-8

Hardest uniform, all about same
also earliest

T.P. maturity of
st. earlier

Plot 188m yield nursery

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

293 F4-4030A 2-1-1, (3313A 1-4 xTP) 2969

✓ A3-1-2, 2970

295 F4-4030A 3-3-1 2971
 rough

✓ A3-3-2 2972
 smooth

✓ A3-3-3 2973
 smooth

✓ A3-3-4 2974
 smooth

✓ A3-3-5 2975
 smooth

✓ A3-3-6 2976
 smooth
 long-gr.

DATES		FULL		DISEASES	
HEADING	1ST FULL	RIPE	H.O.	Cerco- spora	White Tip

F4 4030A2-4-1, (3313A1-4 x TP)

2977

3296

rather sh. straw
standing v. well.

B321B40-3, Sel, RxD

2978

286

flavoured.

Straw-hull T.P. - Sel A rogue

2979

280

straw hulled, rough
rogue from T.P. HA

T. Patna Sel A, ck.

2980

Straw-hull - TP-Sel A Rogue

2981

280

sh. equal to Sel A.

straw hulled, very uniform
better straw than T. Patna

Shaw, smooth

Late Composite

2982

Late Comp
Possibly T.P.

do.

2983

✓

Texas Patna Sel. (Cottonwood)

2984

D A T E S			D I S E A S E S		
HEADING	FULL	RIPE	H.O.	Cerco- spora	White Tip

Texas Patna Sel, (Cottonwood)

2385

do

2386

F13-B324B42-1, Rx5094

2387

B42-2

2388

B43-3

2389

B43-4

2390

F10-3412A2, CAxR.

2391

365
h-grain
old-hull

Hv

F4-4030A2-4-2, (3313A1-4xTP)

2392

296

DATES		FULL DISEASES	
HEADING			
1ST FULL	RIPE	H.O.	Oerco- White spora Tip

2993 F4-4030A3-4-3, (3313A1-4 x TP) 3296

2994 A3-4-4, ✓

2995 A3-4-5 ✓

2996 A3-4-6 ✓

2997 A3-4-7 ✓

2998 A3-4-8 ✓

2999 F4-4030A3-7, 3299

3000 B3313A1-4, R7689 - CK.

	D A T E S	H E A D I N G	F U L L	D I S E A S E S
	1 S T	F U L L	R I P E H. O.	C e r c o - W h i t e s p o r a T i p
305	F4-	4030A3-12-1,	(3313A1-4xTP)	3001
306	F4-	4030A3-13-1		3002
✓		A3-13-2		3003
✓		A3-13-3		3004
✓		A3-13-4		3005
✓		A3-13-5		3006
✓		A3-13-6		3007
308	F4-	4030A3-15-1,	"	3008

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Cerco- White spora Tip

F4-4030A3-15-2, (3313A1-4XTP)

3009

3308

- 3

3010

✓

- 4

3011

✓

- 5

3012

✓

F4-4030A3-21-1,

"

3013

3314

- 2,

3014

✓

- 3,

3015

✓

F4-4030A3-22-1,

"

3016

3315

D A T E S		D I S E A S E S	
HEADING	FULL		
1ST FULL	RIPE	H.O.	Gerco- White spora Tip

F4- 4030A3-22-2, (5313A1-4xTP) 3017
315

F4- 4030A3-26-1, " 3018
319

-2, " 3019
319

Revo Check. 3020

F4- 4030A3-28-1, " 3021
322

-2, " 3022
✓

F4- 4030A3-29-1, " 3023
323

F4- 4030A3-31-1, " 3024
325

DISEASES	
HEADING	FULL DISEASES
1ST FULL	RIP H.O. Cerco- White spora Tip

F4- 4030A3-32-1, (33/3A1-4xTP) 3326
3025

F4- 4034A3-16-1, TPx321A2-5 3570
3026

-2, " ✓
3027

F4- 4035A1-4-1, TPxR 3630
3028

F4- 4035A2-25-1, " 3664
3029

F4- 4035A2-26-1 3665
3030

F4- 4035A2-28-1, " 3667
3031

-2 ✓
3032

DATES		DISEASES	
HEADING	FULL		
1ST FULL	RIPE H.O.	Oerco-spora	White Tip
F4-4035A	2-28-3,	TP	x R.

67 3033

F4-4035A 2-29-1, " 3034

668

F4-4035A 2-31-1, " 3035

670

~~F4-4035A~~
 109 F5-3713A 3-1 S x R 3036

Best row, more uniform but not earlier
 than last as early as T.P. much shorter than
 very good some variation in gr. length excellent text

" - 2
 similar to above but sup. gold & straw 3037
 buds. separate gold & straw segregate. 1/2 in
 sl. taller than 3036

" - 3 3038
 Similar to 3036 but more irregular
 less sl. taller perhaps?

F5-3713A 9-2 " 3039

713

T. Patna Sel-A 3040

DATES

HEADING FULL DISEASES

1ST FULL RIPE H.O. Cerco- White
spora Tip

F5-3713A9-2- , SxR 3713
3041

A9-2- 3042 ✓

F5-3713A17-2-4, " 3723
3043

-2, 3044 ✓

-3 3045 ✓
*Ho sl. taller than 3036 et al but
sl. shorter than T.P. already*

F5-3713A14- SxR 3726
3046

W F10 347B41-4, RxN 3755
3047 *short, stiff st*

F10-347B42-2-1, " 3762
3048

D A T E S		D I S E A S E S	
HEADING	FULL	H. O.	
1ST FULL	RIPE	Cerco- spora	White Tip
762 late	F10-347B42-2-2,	Rx	N.
			3049
806	B32/A2-5, Rx D (Natl. Cross)		3050
✓	"		3051
✓	"		3052
808	"		3053
809	"		3054
✓	"		3055
810	"		3056

D A T E S

HEADING

FULL DISEASES

1ST FULL RIPE H.O.

Cerco- White
spora Tip

3057

41-S-41 Rexoro (Early)

3813

may be
earlier than Rex

3058

B32/A2-5, Rx D (Earlier than original)

3815

3059

F13-323 B39-13, Rx SBR

3822

3060

Rexoro, CK.

3061

F13-B23B40-3, Rx SBR

3823

3062

F9-352A1-21-1-1~~1~~, KxR

3855

3063

"

-

3856

3064

F9-352A1-21-1-2,

KxR

3857

DATES				DISEASES	
HEADING		FULL			
1ST	FULL	RIPE	H.O.	Gerco-spora	White Tip

Fg- 352A1-27-1-1 KxR 3065
858

"

359 3066

Fg- 352A1-89-3-3 KxR 3067
868

Fg- 352A1-89-3-4, " 3068
869 Very Uniform, large, thick
cord to 11 earls than T.P. plant stem
med. grain, good Ho.

Fg- 352A1-89-4-1, " 3069
870

Fg- 352A11-2-1-1-1, KxR 3070
871

only sub.
good qual

"

-2,

3071

only sub.
good qual

"

-3,

3072

lati

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerco-
spora

White
Tip

3073 F₉-353A2-14-1-2, Kx 7143

3881

3074 F₁₀-352A11-2-3-2, Kx R

3876

3075

✓

3076

✓

3077

✓

3078

✓

3079

341B40-10, CAx F

2845

3080

Blue Rose, ck.

DATES		DISEASES	
HEADING	FULL	H.O.	Cerco- White spora Tip
1ST FULL	RIPE		

B348B43-1, CAxN

3081

Ko

B341B39-4 CAxN

911

3082

F₁₀- 343B41-7, NxK

912

3083

F₁₀- 343B41-9, NxK

913

3084

F₁₀- 344B41-1, CAxK

921

3085

F₁₀- 344B41-4, "

922

3086

F₁₀ 344B41-5, "

923

3087

F₁₀ - 344B41-6,

924

3088

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerco-
spora

White
Tip

3089 *Fio* - 345B42-1, 81C x K 3926
Blackberry, very uniform type Blk-hulls

3090 *Fio* - 347B40-7, R x N 3928
Very uniform about TP maturity
good high stain, Kessely Teller

3091 *Fio* - 347B41-6, CA x N 3930
good med g., top stain type
early bluish

3092 *Fio* - 347B39-6, " 3933
med med-grown Blk stain type
hard to breed

3093 *Fio* - 34HB39-14, S x CA 3935

3094 " " ✓

3095 *Fio* - 3411B39-10, " 3937

3096 *Fio* - 3412B41-1, CA x R, 3939
thin hulls, smooth, earlier
than TP very uniform long slender
green type, no shattering

	DATES			DISEASES	
	HEADING		FULL		
	1ST	FULL	RIPE	H.O.	
941	Fio - B3412 B41-5,			CA x R	3097
	Mid-grain type				
942	Fio - 3412 B41-7,			"	3098
943	Fio - 3412 B42-1,			"	3099
951	Rexoro, ck.				3100
951	Fg - 35/A1-100-1-1,			K x S	3101
956	6066 - S x K. (Crowley)				3102
963	2832 - S x K (Crowley)				3103
969	2-16-2, D x CA				3104

DATES

HEADING

FULL DISEASES

1ST FULL

RIPE H.O.

Cerco- White
spora Tip

3105

2-16-2, D x CA

3975

3106

36-6660

CA x D

3983

3107

37-196

CA x D

3984

3108

38-17

CA x D

3985

3109

38-52

CA x D

3986

3110

2910A23-3-2, D x CA

3987

3111

F6-3747B41-3,

4700 x R

3991

3112

F6-3747B41-9,

"

3996

D A T E S		D I S E A S E S	
HEADING	FULL	RIPE	H.O.
1ST FULL			

F9 - 342/A4-1-2, 3212 x BR

3113

F6 - 395 A1-2-1, (SP-SJ x B3715, mra)

3114

F6 - 3910A 2-6-2, (SP-SJ x IBR-F)

3115

F6 - 399A1-1-1 (SP-SJ x BR-41)

3116

-2

3117

-3

3118

F5 3916A1-4, Arkrose x E-F

3119

Nira, check

3120

DATES

HEADING

FULL

DISEASES

1ST FULL

RIPE

H.O.

Cerco-
spora

White
Tip

F₆- 396A4-3 (SP-SJ x R-D)

4011

F₆- 399A3-4-1, (SP-SJ x BR-41)

4016

-2, "

✓

F₅- 3916A1-1-1, Arkrose x E-F

4017

-2, "

4018

F₅- 3916A1-8-2, "

4022

F₅- 3916A1-10-1, "

4023

F₅- 3916A1-12-1, "

4024

DATES			DISEASES		
HEADING	FULL		H.O.	Cerco- spora	White Tip
1ST	FULL	RIPE			

224 F5-3916A1-12-2, Arkrose x E-F 3129

225 F5-3916A1-15-1, " 3130

-2 " 3131

Howard Stagg off-type Rexoro. 3132

" 3133

" 3134

" 3135

" 3136
Is only row breeding true, others
are segregating widely for maturity &
grain size & shape.

17
3137 Howard Stagg Off-type Rexoro

3138

"

3139

"

3140 Rexoro, Ct.
Rexoro

283

3141 Howard Stagg Off-type Rexoro

3142

"

3143

"

87
F4-3722A1-92-2, F x BR

-3

-4

-5

-6

-7

-8

-9

93722A1-93-10 , FxBR

-11

-12

-13

-14

-15

-16

-17

87
F4-3722A1-93-18 , F x BR

-19

-20

-21

-22

-23

-24

-25

43722A1-93-26,

F x BR

-27

-28

-29

-30

-31

-32

-33

F4-3722A1-93-34 , F x BR

-35

-36

-37

-38

-39

-40

-41

43722A1-93-42, FxBR

-43

-44

-45

-46

-47

-48

-49

F4-3722A1-93-50, F x BR

-51

-52

-53

-54

-55

-56

-57

F4-3722A1-93-58, FxBR

-59

-60

-61

-62

-63

-64

-65

F4-3722A1-93-66, F x BR

-67

-68

-69

-70

-71

-72

-73

F, 3722A1-93-74, Fx BR

-75

-76

-77

-78

-79

-80

-81

F4- 3722A1-93-82, FxBR

-83

-84

-85

-86

-87

-88

-89

F4-3722A1-93-90, Fx BR

-91

-92

-93

-94

-95

-96

F3-423A ~~BR~~ BR-41-EPx K-7143 (97)

87
2nd generation
T. Patna V. large Seed (P. Isl. 1942) (98)

do (99)

KxH
doubled HAP (2nd generation) (100)

42-3796 (101)

F₃-425A1, BR-41-EPx F-BR (102)

" 2 " (103)

" 3 " (104)

" 4 " (105)

F3-425A 5, (BR41-EP x F-BR) (106)

" 6 " (107)

" 7 " (108)

~~La 398A-1 (SP-SJ) BR-41~~
5001 La. Rexoto Dwarf.

5012

5002 B.R. Dwarf (Ark)

5001

5003 B.R. Dwarf (La.)

5002

5004 Crow. Grassy Dwarf 4057 La.

5003

5005 Garden Rice - 5616-27 (SP-SJ) RSBK

5004

5006 Dwarf (Cal)

5006

5007 27/A8-2 Dwarf (Cal)

5007

5008 La. Dwarf. CI-5403-2

5008

C42-0390, Thick set, Big Plant

5009

Intermed. Dwarf. BR. (Nome)

5010

Intermed Dwarf. (La. 1239 x E.P.)

5011

Texas Patna Dwarf

5012

Short Plant (3710A1-23 R-H x BR)

5013

B3712A1-7-2, Abnormal

5014

4078A12, Abnormal, diseased

5015

La-059, Sathi

5016

5017 Intermed. Sathi (Cal.) 5033

5018 Caloro Variant 5035

5019 ha-071, Caloro X-Ray 5038

5020 Caloro Hull-spots (Cal.) 5039

5021 Caloro Neck-leaf 5042

5022 Butte (White AWMS) 5049

5023 long outer-glumes ~~Atk 11/1~~ 5050
Hyb MIX #I-1-1

5024 liguleless 5051

Brittle

5052

5025

Proliferation Pam. Sel-299-1

5054

5026

ViRescent, 2912A21.

5056

5027

lazy (Ark)

5057

5028

lazy-Rolled-Leaf

5058

5029

Rolled-Leaf (ARK)

5059

5030

Rolled-Leaf (Bmt-3514A1-25)

5060

5031

R2925-Rolled Leaf (Cal)

5061

5032

18
5033 CI-4957 - Small Seed

5063

5034 CI-3794 - Fragrant

5076

5035 CI-4630 - Cluster

5077

5036 CI-1239 - opaque

5079

5037 la-0224 - Purple Plant

5087

5038 Nira Trisomic

5099

5039 4075A3, abnormal
normal plant in abnormal Row

5027
norm

5040 4075A3, Abnormal

5027
abn

4020H1-2, Caloro.

086 Prob. a Trisomic.

5041

4014H2-15BR Nest

088 Prob a Trisomic

abnormal

5042

all appear normal

4014H2-15 "

080 normal plant

normal

5043

all appear normal

Red Rice Hyb from

082 Wulfert Bk.

5044

3724B

085 Brown seed coat

5045

"

085

early

5046

3723 B42

086 Deep brown seed coat

18 light
7 white

5047

41-5061, BR sterile

094

abnormal

5048

5049 41-5061, BR. Sterile

5094
normal

5050 Black-hulled rogue from BR-41
Cottonwood, 1943 (9/30/43)

5051 JAP Type from BR-41
Cottonwood, 1943 (9/30/43)
Uniform Jap type - maybe glutinous

5052 Long-outer-glumes
from BR-41, Cottonwood 1943
Uniform BR type with long o.g.

5053 Very large Seed
(Bulb-hybrid plot)

5054 Craigie Red Rice

5055 "

5056 "

CI-8318 off-type

5057

Small Seed, NxK,
3-359

5058

Normal in Caloro
039 Hall-spots Row.

5059

4011 H2-2, Heat BR
5144 (club like)

5060

3712 A1-7 Club type

5061

F.P.I.

0416, Rolled leaf, D.D.

5062

416
Crowley

42-DD2-2 D.D. Crowley

5063

42-DD3-2

"

5064

5065 Grassy, Tullis Phys Brown 5653
May be Trisomic.

5066 sh. plant, sm. seeds, mostly sterile 116

5067 Caloro x Rexon
v. small seed, smooth, gold. 365

5068 Long-grain x short-grain
very small seed. 349

5069 4162 H3, BR heat
small plant
all normal? 5107

5070 4032 H2-24, BR heat
small plant
all normal 5105

5071 4032 H9, BR Heat
v. small (Trisomic?)
all normal 2817

5072 4032 H9, BR heat
v. small (Trisomic?)
1 abnormal plant 2817

4014 H 2-15, ^{BR} ~~Colo~~
 5145 sterile
 all normal 5073

4032 H 3-3, BR Heat
 812 sterile
 several abnormal 5074

"
 813 sterile
 several abnormal 5075

"
 817 highly sterile
 several abnormal 5076

C 381 B 42-3, BR-Z
 171 highly sterile
 all normal 5077

28 Trip. BR seeds 5078

Bluebonnet Trip seeds
 (Dishman 1943) 5079

401A
 210 Tetra-like tiller
 1 normal plant 5080

4115A1
5081 Prolif. + phys. brownish

A
5082 Prolif. from late Comp

X
5083 Prol. from late Comp

Highly sterile from late Comp.
5084 Tagged by Jones
~~quite normal~~

B
5085 extreme prolif. from late Comp.

Short stature
5086 late comp.

senile spreading. V short
5087 late Comp
~~mouth - sticking habit~~

C38/B42-3, BR x Z
5088

3171

F4 418A7, 41-4806(BR x 4011) x 4055 (Lig-Bit)
 5196 5089

"
 5196 5090

4110A, multi-R x 41-4806 (BR x 4011)
 209 5091

"
 5209 5092

211 white "
 5093

411A2-1, CI 6248 x 41-4808 (CI³⁰)
 12 full pr
 9 (6 partial - 3 green)
 pr hulls 5094

-2
 30 full pr
 6 green pr hulls 5095

-3
 4 full pr
 1 partial
 3 green 5096

4111A2-4
5097 44 full pr
2 partial
30 queen

-5
5098 2 full pr breeding time
2 partial

-6
5099 26 full pr
13 non

-7
5100 13 full pr
5 non

-8
5101 47 full pr
15 non

-9
5102 32 full pr
20 non

-10
5103 50+ all full pr

-11
5104 48 full pr
18 non

4111A2-12

all full pr

5105

-13

22 full pr
8 non

5106

-14

20 full pr
7 partial
9 non

5107

-15

45 full pr
16 non

5108

-16

45 full pr
13 non

5109

-17

6 full pr
3 non

5110

-18

47 full pr
11 partial

5111

-19

all non

5112

5113 411A2-20
46 full pr
10 partial
3 non

5114 -21
16 full pr
9 non

5115 -22
all full pr

5116 -23
23 full pr
5 partial
14 non

5117 -24
20 full pr
5 partial
12 non

5118 -25
14 full pr
4 partial
5 non

5119 -26
20 full pr
30 partial

5120 -27
22 full pr
10 non

4/11/A2-28

5 full pr

11 partial

11 non

5121

-29

11 full pr

5 non

5122

-30

17 full pr

11 partial

10 non

5123

-31

53 full pr

6 partial

16 non

5124

-32

all full pr.

5125

-33

7 full pr

15 partial

5126

-34

39 full pr

7 partial

23 non

5127

-35

2 full pr

8 non

5128

5129 4111A2-36
49 full pr
18 non

5130 -37
6 full pr
17 non

5131 F4-4045A1-4-1, (R-SBR x BR-41)
♂ Cross 433A 2949
quite promising,

5132 F5-404A1-46 (BR-41 x EP)
♂ 4352A 2910

5133 CI-8323
♂ Cross 4351A 4

5134 41-S-127, EP. Sel.
♂ Cross 431A 2009

5135 B42-3299-2, BR
♀ Cross 431A 2050

5136 B42-3299-2, BR
♀ Cross 433A 2050

B42-3299-2, BR
 080 ♀ cross 432A 5137

F4-411A3-12, CI-8323 x Z
 ♂ cross 4311A 5138
 371

B2715A36-6, (3512A x SBR)
 17 ♂ cross 4319A 5139

B3715A36-6, (3512A x SBR)
 17 ♂ cross 439A 5140

F4-411A3-12, (CI-8323 x Z)
 371 ♂ cross 4356A (3712A1-2) 5141

F6-399A1-1, (SP-SJ x BR-41)
 013 ♂ cross 4350A 5142

F4-4044A3-5, 323A2-8 x BR-41
 945 ♂ cross 432A 5143

B317A39-5, W x F rogue
 1 ♂ cross 435A 5144

3715A6-5-4, (3512A x SBR)
5145 ♂ cross 4312A 212

F7-3715A36-6, (3512A x SBR)
5146 ♀ cross 4318A 3154

"
5147 ♀ cross 4317A 3154

4110A, Multi Rx 41-4806 (BR x 4011)
5148 ♀ cross 4347A 5211

F4-4112A5-5, (41-3282 x BR-41)
5149 ♀ cross 438A 2836

"
5150 ♀ ^{cross} 437A 2836

3715A36-6, (3512A x SBR)
5151 ♀ ^{cross} 4315A 3154

F4-4112A5-5 (41-3282 x BR-41)
5152 ♀ cross 4312A 2839

4-4112A5-5
 ♀ cross 4311A
 839 5153

B346B40-6, SxN
 ♀ cross 434A 5154

"
 ♀ cross 435A 5155

"
 ♀ cross 436A 5156

82920B38-11-1, (IBR x F)
 15 ♂ 4317A 5157

CI-8327-1
 ♀ cross 4341A 5158

F4-4112A5-5, (41-3282 x BR-41)
 239 ♀ cross 439A 5159

3715A36-6, (3512A x SBR)
 354 ♀ cross 4316A 5160

all are ok. for all

F4-4112A5-8 (41-3282 x BR-41)

5161 ♀ cross 4313A 2839

5162 ♀ ^{cross} 4310A 2839

5163 ♀ cross 4314A 2839

5164 ♀ cross with 146? 2839

B3512A2-41-2 (SP-SJ) x SBR
5165 ♂ cross 4320A 146

5166 ♂ 146

Hq: B406, Fx Red Fx Red

5167 ♂ 4313A

Blue Rose-41

5168 ♀ 4322A

Blue Rose-4/
♀ 4322C

5169

Blue Rose-4/
♀ 4322D

5170

B406, Fx Red
♂ 4322A, B, C

5171

B406, Fx Red
♂ 4322D

5172

B3712A1-7-3-2, K-H x BR
♀ 4323A
CI-8326

5173

B3712A1-7-3-2,
♀ 4323B
CI-8326 "

5174

B406, Fx Red
♂ 4323A, B, C

5175

B3712A1-7-3-2, K-H x BR
♀ 4323C
CI-8326

5176

B3710A1-15-5-1, K-H x BR
5177 ♀ 4324A

CI-8327

5178 ♂ B406, Fx Red
♂ 4324A, B
♂ 4325A, B

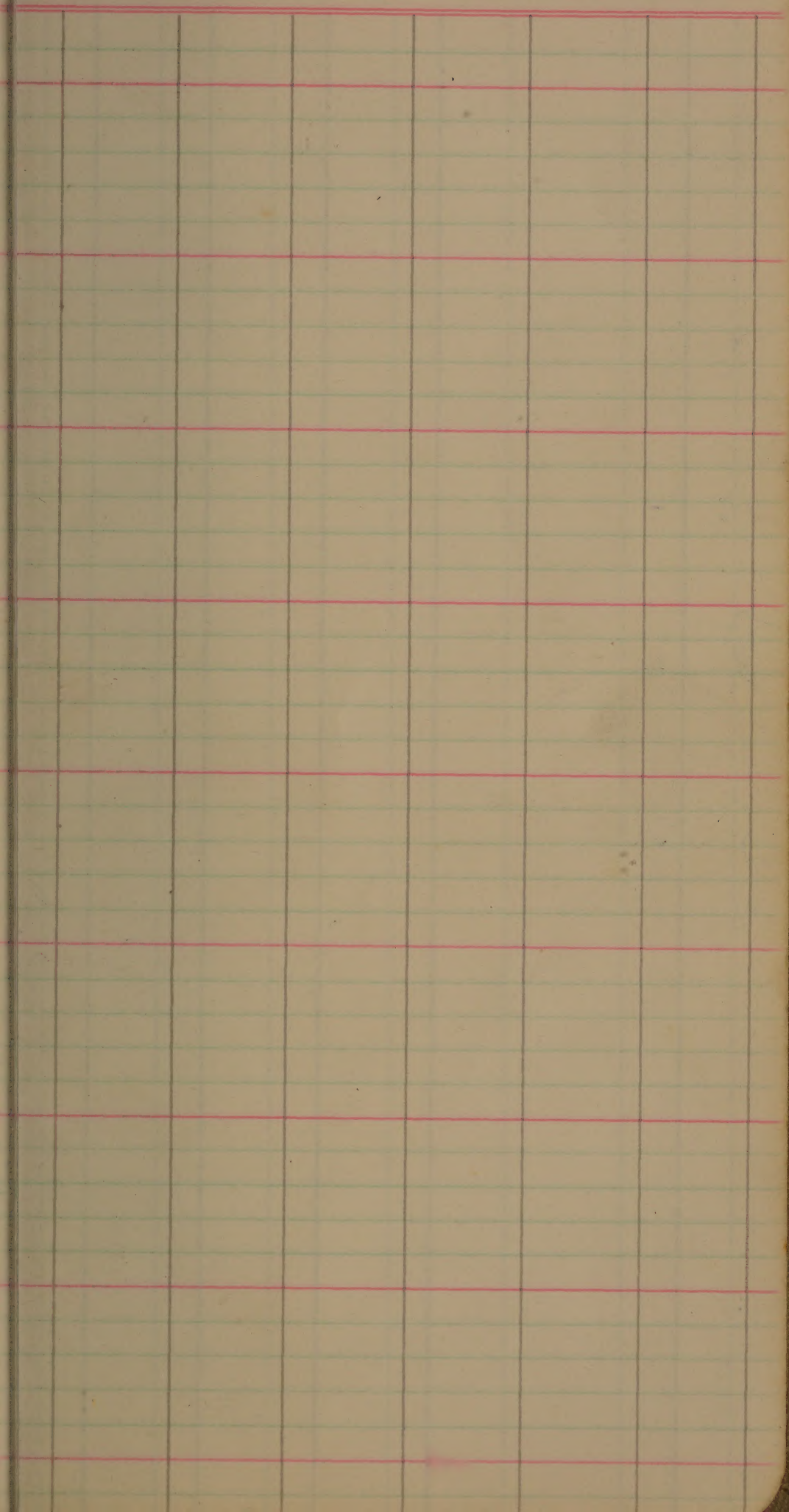
Blue Rose-41
5179 ♀ 4326A

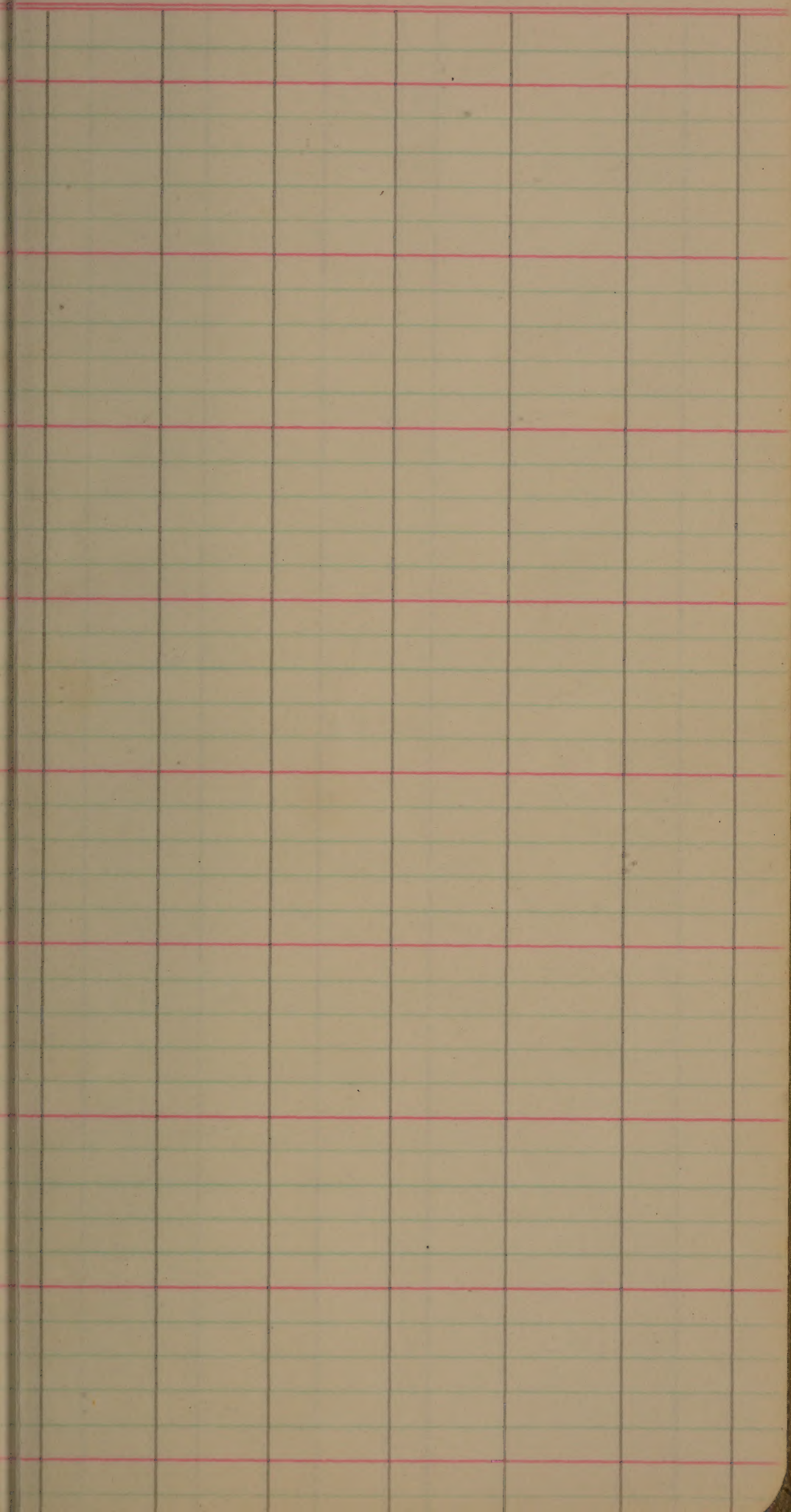
5180 ♂ B406 Fx Red
♂ 4327A

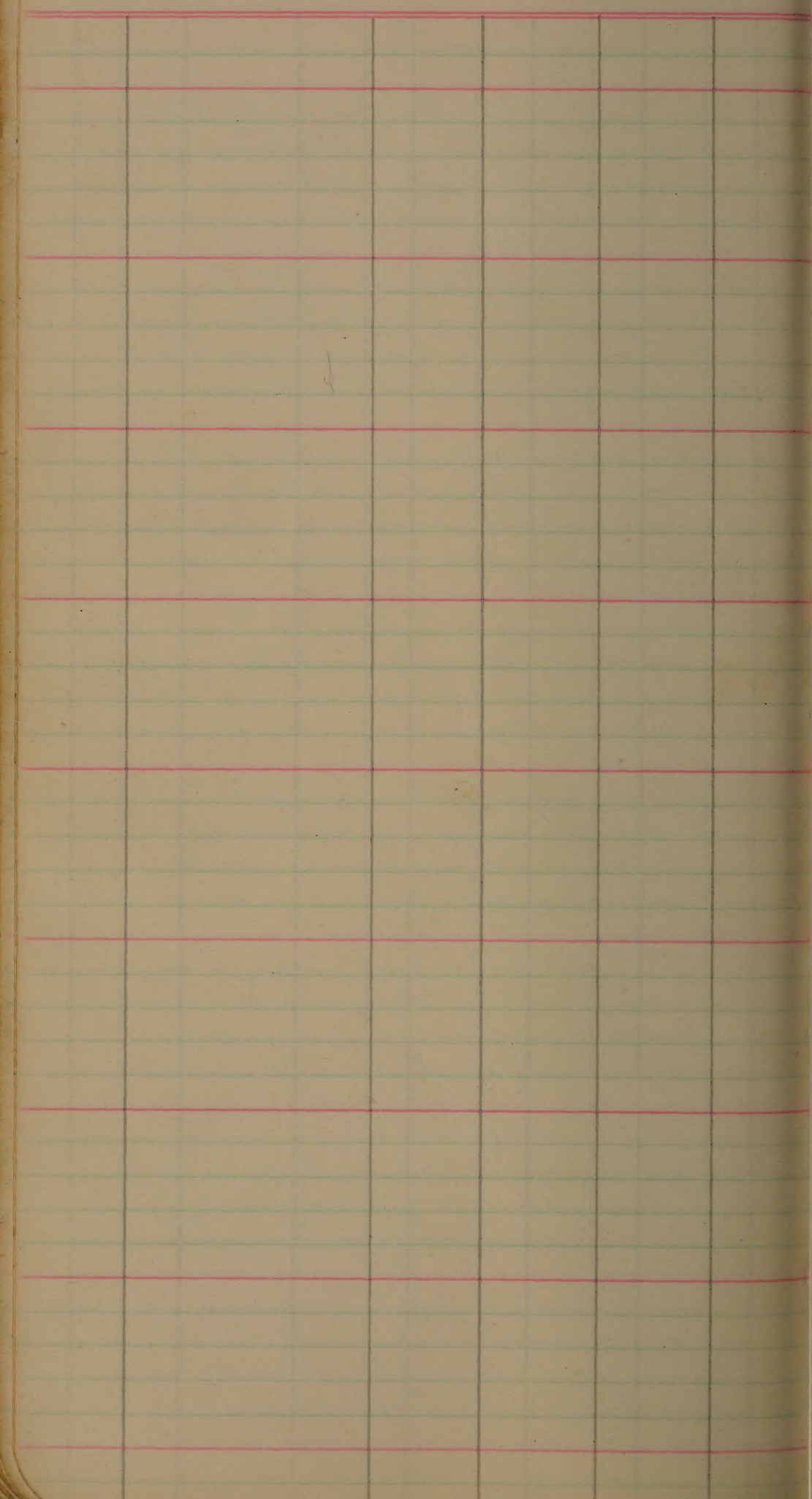
343

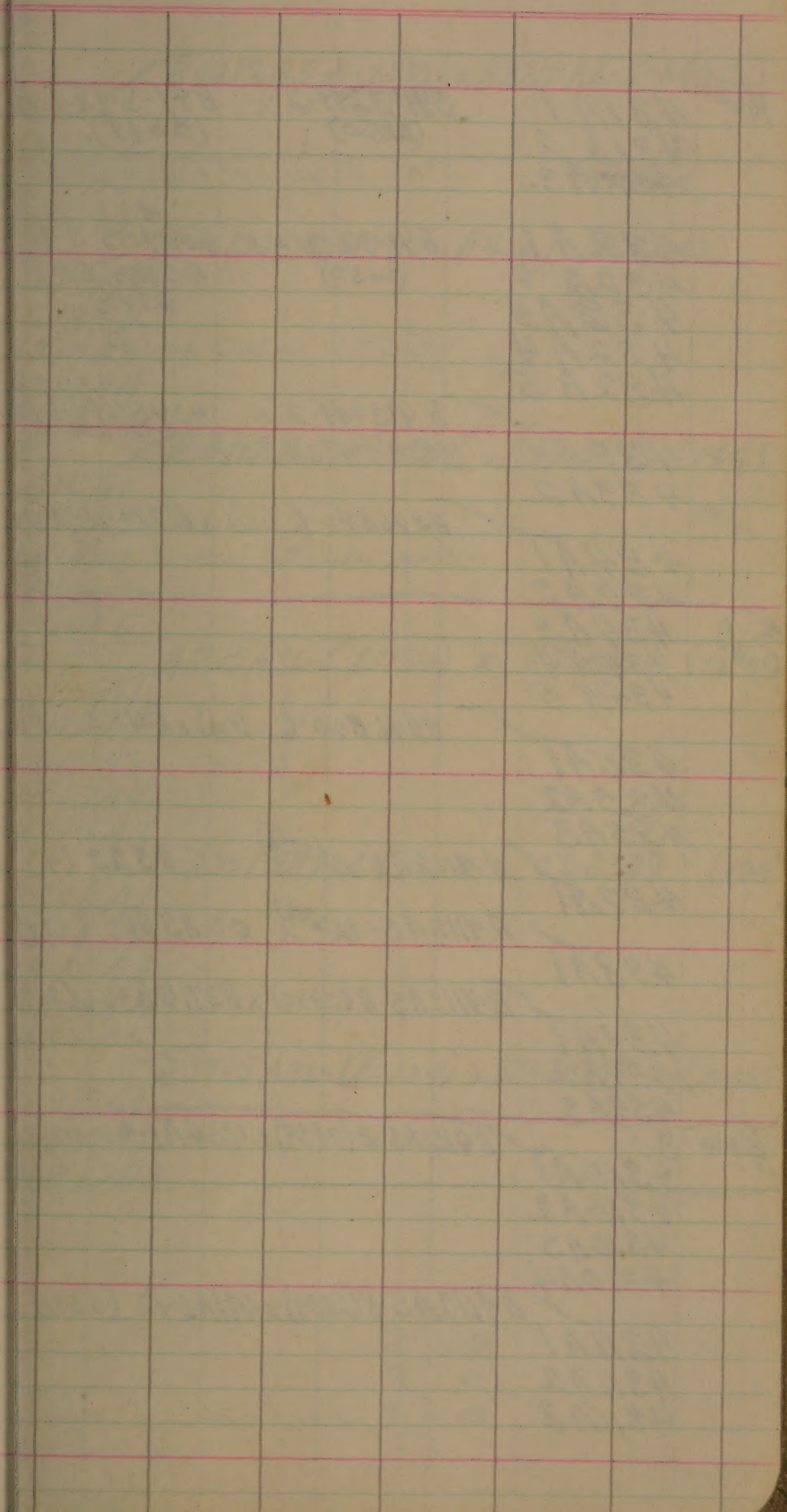
5181 B42-2693, Brair. Sol
♀ 4328A

~~Smooth~~









F 1 1/2

Row 1

431A1

B41-3299-2 x
(2050)

B41-S-127, B
(2004)

431A2

~~431A3~~

CO = R on all plants

432A1

B41-3299-2 x
(2050)

4044A3-S-1

432A2

R-SBR x BR
(2945)

432A3

432A4

432A5

CO = S on all plants

B41-3299-2 x

4045A14-1 (2944)
R-SBR x BR-41

433A1

CO = R on all plants

433A2

B346B40-6 (121) x B3722A1-43 (32)

434A1

mp hulls, rough on all

434A2

Row 2

434A3

434A4

434A5

B346B40-6 (121) x B317A39-5 (11)

435A1

435A2

435A3

B4112A5-5 (2836) x CI-8323 (4)

437A1

B4112A5-5 (2836) x CI-8326- (129)

438A1

B4112A5-8 (2839) x B3715A36-6 (217)

439A1

439A2

439A3

Row 3

B4112A5-8 (2839) x 404A1-46 (2909)

4310A1

4310A2

4310A3

4310A4

B4112A5-8 (2839) x 411A3-12 (2371)

4311A1

CO = S

4311A2

CO = R

4311A3

CO = R, has leafy, the others

B4112A5-8(2839) x B3715A6-5-4(212)

4312A1

4312A2

4312A3

4312A4

B4112A5-8(2839) x B406.FxRol(343)

4313A1

4313A2

4313A3

4313A4

4313A5

B4112A5-8(2839) x B42-2693 (144)

4314A1

4314A2

4314A3

4314A4

4314A5

no 5

B3715A36-6(3154) x CI-8326 (129)

4315A1

Co = S

4315A2

Co = R

4315A3

Co = R

4315A4

Co = R

4315A5

Co = R

B3715A36-6(3154) x CI-8327 (128)

4316A1

4316A2

4316A3

4316A4

4316A5

B3715A36-6(3154) x B2920838-11-1(345)

4317A1

4317A2

4317A3

F1's

Row 6 B3715A36-6(3154) x B2920B38-11-1 (345)
4317A4

B3715A36-6(3154) x CI-8323(4)

4318A1 all die back rapidly + stem

4318A2 drops over badly, all are S. to

4318A3 CD

4318A4

4318A5

CI-8326 (131) x B3715A36-6(217)

4319A1

4319A2

4319A3

4319A4

4319A5

CI-8326 (131) x B3512A2-41-2(146)

4320A1

4320A2

Row 7

4320A3

4320A4

4320A5

CI-8327(128) x B3512A2-41-2(146)

4341A1

4341A2

4341A3

B42-2693(144) x B3512A2-41-2(146)

4342A1

4342A2

4342A3

4342A4

4342A5

CI-8327-1(128) x Jones Sterile Hond.

4343A1

4343A2

4343A3

F1 1/2

Row - 8 Int. BR Dwarf x Ark Rolled leaf.

4344A1 *Rather narrow leaves, rather short stature*~~4344A2~~ BR dwarf (La.) x Ark rolled leaf.4345A1 *normal*4345A2 *not a cross*4345A3 *not a cross*4346A1 *dwarf* BR dwarf (La.) x Int. BR dwarf.4346A2 *typical BR except st. shorter than BR*4346A3 *typical*4346A4 *typical BR except shorter*4346A5 *5211 multi R Long ogle x Long Butt (5196)*4347A1 *5211 multi R Long ogle x BR dwarf (La.)*

4348A1

4348A2

B3512A2-41-2(146) x B399A1-1 (4018)

4350A1

4350A2

4350A3

Row 9 EI-8326(115) 404A1-46 (2910)

4355A1

4355A2

4355A3

4355A4

CI-8326(130) x 411A3-12 (2371)

4356A1

~~4357A1~~ B3512A2-41-2(146) x B346B40-6(121)

4357A2

4357A3

4357A4

4357A5

4357A6

INTERMEDIATE B.R. x Crowley INTER.

4358A1

4358A2

B4112A5-8(2839) x B3512A2-41-2(146)

4360A1

4360A2

4360A3

4360A4

4321A1 BR-41 (2860)x FxRed (343)

2

3

4

4321B1 BR-41 (108)x FxRed (343)

2

3

4

5

6

4322A1 BR-41 (108)x FxRed 343

4322C1

2

4322D1

2

CF-8326 (131) FxRed (343)

4323A1

4323B1

2

4323C1

2

3

4

Brunel. (144) x FxRed (343)

4325A1

2

3

Brunel (144) x FxRed (343)

4328A1

2

3

4

F2 1/2

88

42/2A1 Inter BK dwarf x BK

$$88 + 138 \text{ normal} = 226$$

$$\cancel{32 + 52 \text{ Intermediate}} = \cancel{84}$$

A number of short staved normals
present, which may or may not be typical
normal plants

2

2

1

42/3A3 Garden x Crowley Gropay

Normal

Crowley

Garden

double

Handwritten tally marks (vertical columns of 'X' and 'I' marks).

Handwritten tally marks (vertical columns of 'X' and 'I' marks).

Handwritten tally marks (vertical columns of 'X' and 'I' marks).

correct

200

27

76 correct

correct

Handwritten tally marks (vertical columns of 'X' and 'I' marks).

Handwritten tally marks (vertical columns of 'X' and 'I' marks).

Some missing

158

69

76

99

19

23

257

88

100

88

100

445

16

5

4214A1 BR dwarf () x garden		Thickset garden double	
Normal	Thickset	garden	double
125	28	33	7
lance			
154	39	44	6
Total 279	67	77	13
243	81	81	27
Final			
116	29	27	5
139	43	36	3
255	72	77	8

424A9 = 404A1-46 x B39-4512
2 rows

425A2 = 404A1-46 x 3722A1-95
1 row

425A1
1½ rows
½ is east half to right of stake

426A1 323B 39-13 x BR-41
1½ rows
½ is west half to left of stake

427A8 323B 39-13 x 34A39-47, CR-5709
2 rows
80

429A1 34A39-47 x 3512A39-41
2 rows

4210A2 34A39-47 x B403, Brunis.
2 rows

4211A1 34A39-47 x BR-41
2 rows

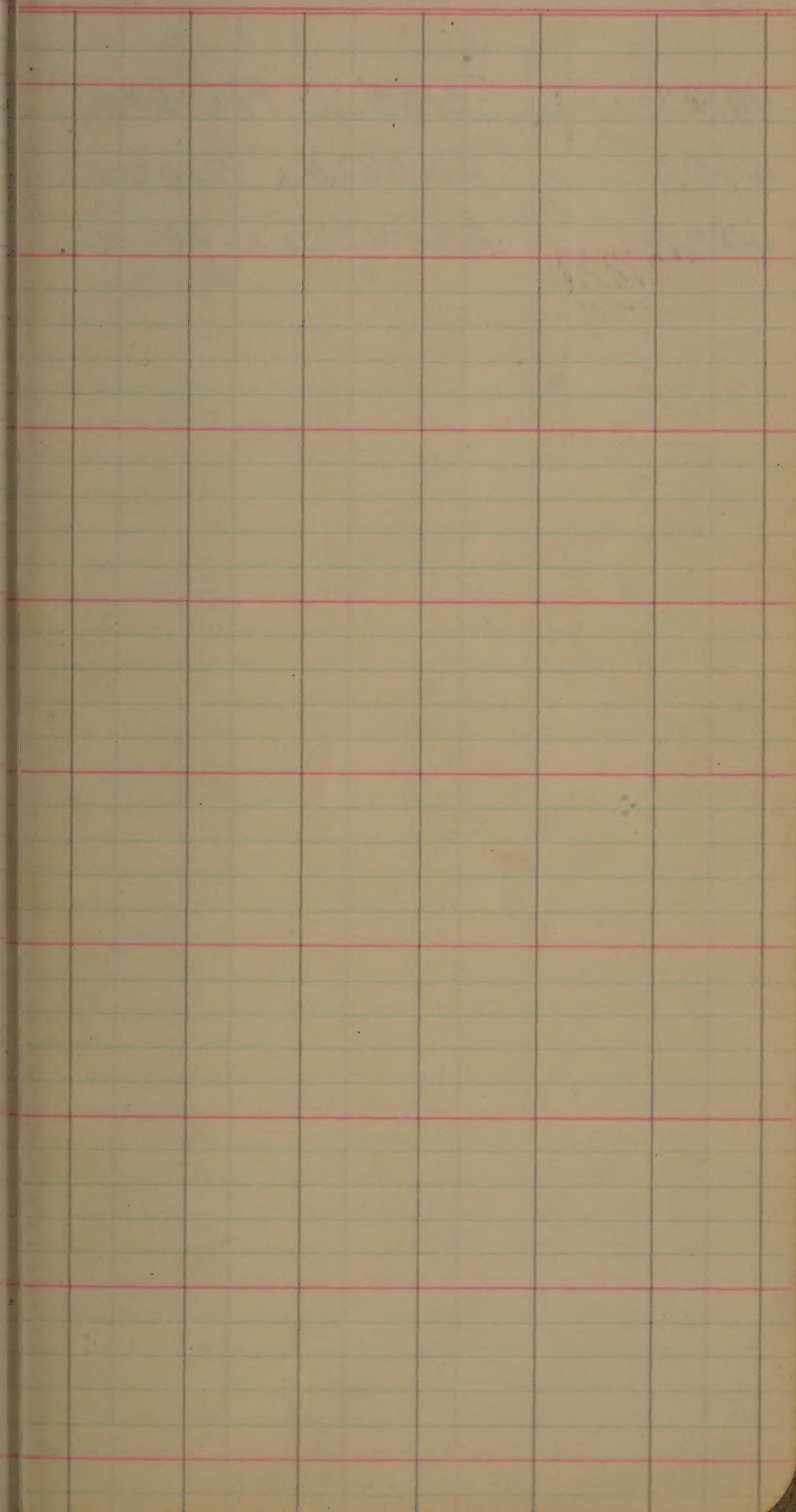
F₂ 1/2

4215A1. B4045A3 x BR-41
2 rows

4218A1 3722A1-95 x CI-8524
1 row

4218A3
1 row

do.



Crosses made

441A

5138 x F₁ (4311A1)

442A

F₁ - 432A x 5132

443A

F₁ - 432A x 2052

2 panicles

8/26

1 panicle

8/28

1 panicle

8/28

Head Row Lead for

1	Seg	Bluebonnet	543 rows
2	S	119 panicles	3 cm. 16 ft rows
3	Seg	204 "	2 cm 12 ft "
4	Seg	220 "	1 1/2 cm. 10 ft "
5	Seg		
6	S	B 4033A4-43, TPX R-7689	
7	Seg	78 panicles	2 cm
8		126 "	1 1/2 cm
9		149 "	1 cm
10	R	27 "	less than 1 cm.

Smoothshell

142	-	2 cm
264	-	2 cm
124	-	1 1/2 cm
530		

1945 Crop.

from Silo Farm Crop

Total panicles = 543

from 1944 Plot #72 guard row.

Total Panicles = 375

Total panicles = 530

Chapman's

1875 - 1876

1877 - 1878

1879 - 1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894

1895

1896

1897

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1899

1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

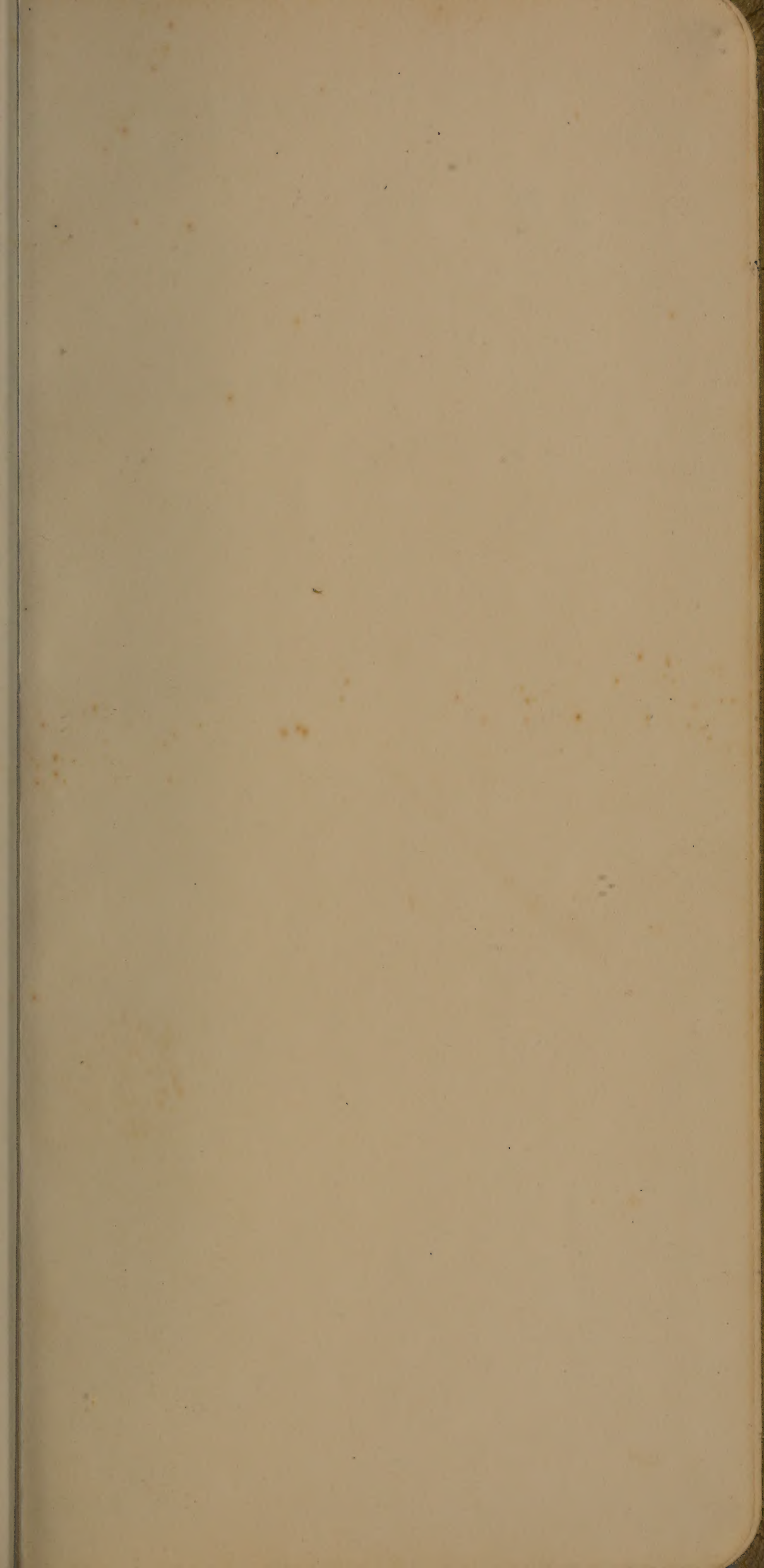
1911

1912

1913

1914

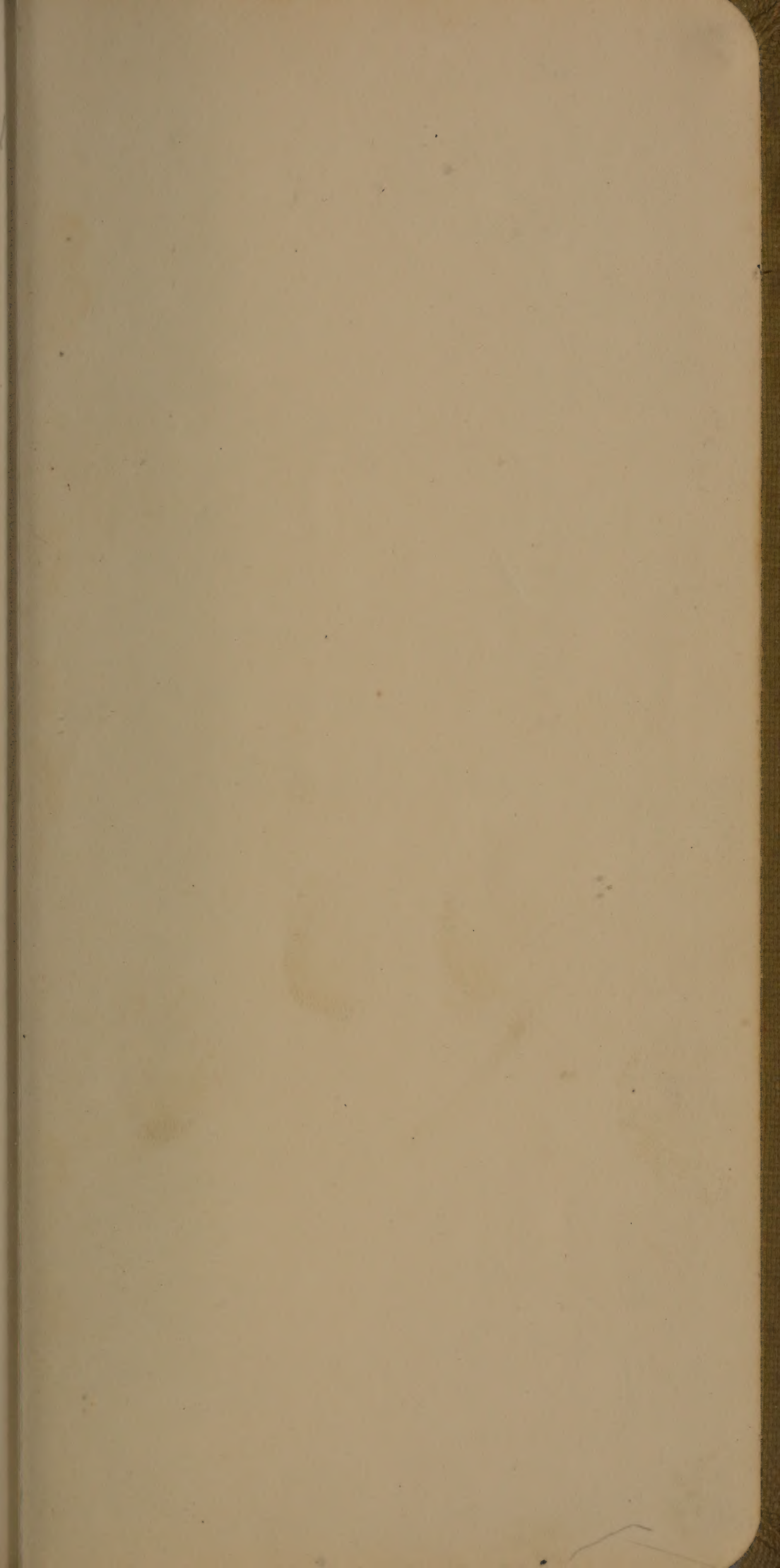
1915



$\frac{3}{8}$

11 130 - 56

主、主、主、主、主、主、主、主



Honest

2399 ✓

2046 ✓ smart (alkali)

2402 ✓

2047 ✓ smart (alkali)

2404 ✓

2048 ✓ alkali

2407 ✓

2058 ✓ alkali

2410 ✓

2135 ✓

2416 ✓

2156 ✓

2421 ✓

2169 ✓

added ~~2427~~ ✓

2225 ✓

2432 ✓

2229 ✓

2435 ✓

2273 ✓

2458 ✓

2284 ✓

2466 ✓

2289 ✓

2474 ✓

2292 ✓

2502 ✓

2511 ✓

2524 ✓ note

added (2629) 2595 ✓

missing 2634 ✓

2637 ✓

2644 ✓

2645 ✓

2649 ✓

2661 ✓

2688 ✓

2693 ✓

2698 ✓

2708 ✓

2712 ✓

2719 ✓

2764 ✓

2777 ✓

2829 ✓

2836 ✓

2847 ✓

2849 ✓

2853 ✓

2864 ✓

2867 ✓

2869 ✓

2870 ✓

2871 ✓

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2986 ✓

2987 ✓

2988 ✓

2989 ✓

2990 ✓

2991 ✓

2992 ✓

2993 ✓

2994 ✓

2995 ✓

2996 ✓

2997 ✓

2998 ✓

2999 ✓

3000 ✓

3001 ✓

3002 ✓

3003 ✓

3004 ✓

3005 ✓

3006 ✓

3007 ✓

3008 ✓

3009 ✓

3010 ✓

3011 ✓

3012 ✓

3013 ✓

3014 ✓

3015 ✓

3016 ✓

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3106 ✓

3107 ✓

3108 ✓

3109 ✓

3110 ✓

3111 ✓

3112 ✓

2868✓

2870✓

2871✓

2872✓

2873✓

2874✓

2875✓

2877✓

2895✓

2899✓

2901✓

2907✓

2916✓

2952✓

2961✓ 2968✓

2981✓

Liter

2849✓

2864✓

2884✓

2906✓

2961✓

2968✓

3036✓

3045✓

3046✓

3076✓

3081✓

3096✓

A93-96

2991✓

3036✓

3037✓

3038✓

3045✓

3046✓

3068✓

3076✓

3081✓

3096✓

5012✓

5067✓

5131✓

5139 & 40✓

5145✓

3722A1-93-96

2135✓
2428✓ 2301✓
2521✓
2653✓

3037✓
3038✓
3068✓

make several sets from
2623 + 2624 + 27 for J.W. Jones
for H.O. involutions

male sturdes

2639

5012 $\frac{1}{2}$ P dwarf
5067

51312

5139 + 40

51452

1 plant hatched 1/13 16/208
 16
 48

5th row inc. from Balkal Hephid.
 1st small pl.

36

152 D was last plot trimmed

49	114
50	118
52	143
56	146
60	150
62	
72	
74	
77	
80	
86	
90	

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote * Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

1
Early
uniform
"A"

17
Early
(3)

33
Early
"C"

49
Mid-Long
uniform
"A"

65
Mid-Long
"B"

81
Mid-Long
"C"

97
Mid-Med
uniform
"A"

113
Mid-Med
"B"

129
Mid-Med
"C"

145
Mid-Med
"D"

161
Late
uniform
"A"

REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1900

It is a pleasure to report that the work of the year has been most successful.

The first part of the work has been the study of the

history of the country.

The second part has been the study of the

present condition of the country.

The third part has been the study of the

future of the country.

The fourth part has been the study of the

present condition of the country.

The fifth part has been the study of the

future of the country.

The sixth part has been the study of the

present condition of the country.

The seventh part has been the study of the

future of the country.

The eighth part has been the study of the

present condition of the country.

The ninth part has been the study of the

future of the country.

The tenth part has been the study of the

present condition of the country.

The eleventh part has been the study of the

future of the country.

The twelfth part has been the study of the

present condition of the country.

The thirteenth part has been the study of the

future of the country.

The fourteenth part has been the study of the

present condition of the country.

The fifteenth part has been the study of the

future of the country.

The sixteenth part has been the study of the

present condition of the country.

The seventeenth part has been the study of the

future of the country.

The eighteenth part has been the study of the

present condition of the country.

The nineteenth part has been the study of the

future of the country.

The twentieth part has been the study of the

present condition of the country.

The twenty-first part has been the study of the

future of the country.

The twenty-second part has been the study of the

present condition of the country.

The twenty-third part has been the study of the

future of the country.

The twenty-fourth part has been the study of the

present condition of the country.

The twenty-fifth part has been the study of the

future of the country.

C
Can cut earlier to 32 sek.

1
Early
uniform
"A"

Can cut mid long to 32 sek.

17
Early
(3)
2

33
Early
"C" 3-4

49
Mid-Long
uniform
"A" 4

65
Mid-Long
"B" 5

81
Mid-Long
"C" 6

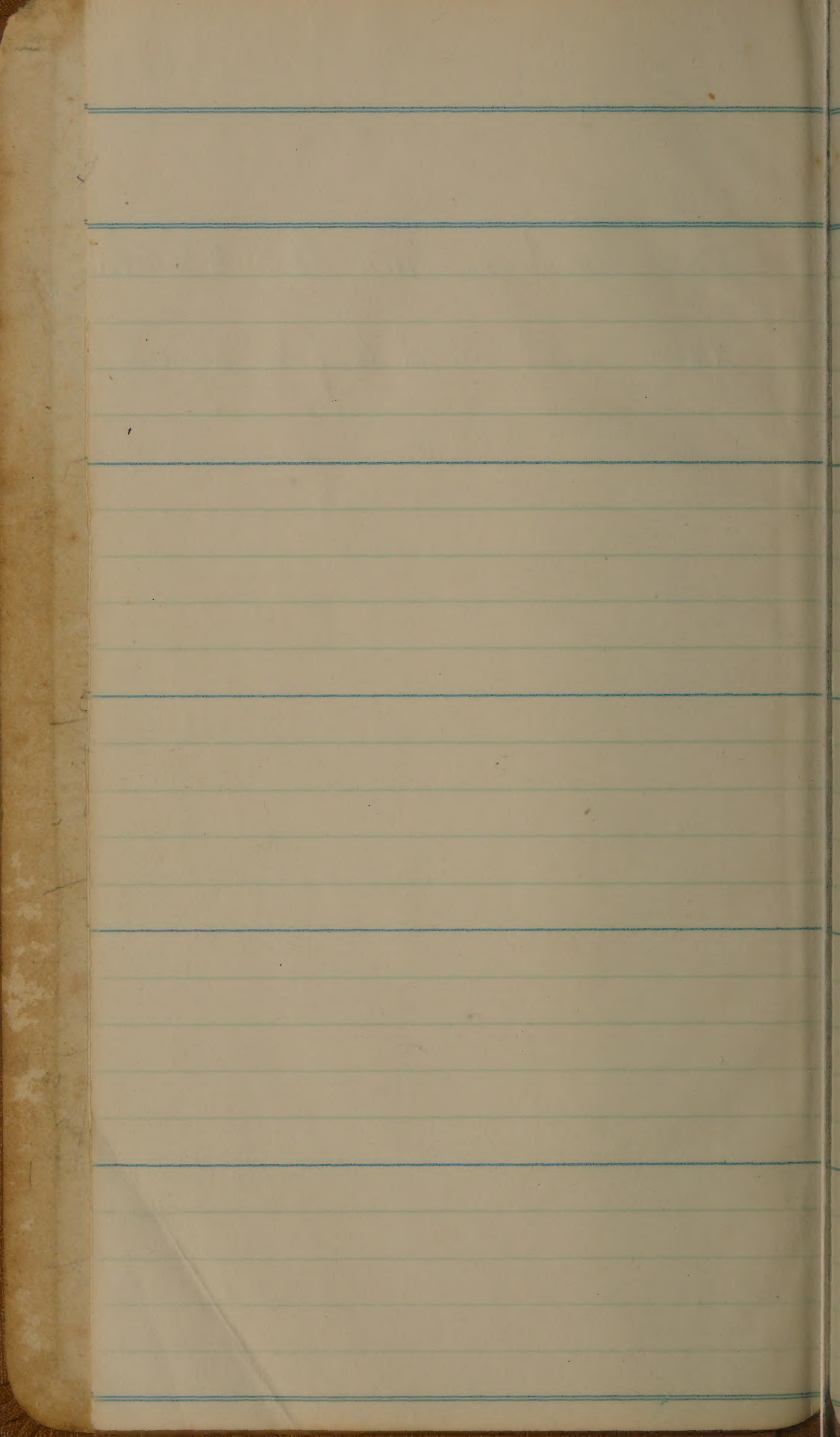
97
Mid-Med
uniform
"A" 7

113
Mid-Med
"B" 8

129
Mid-Med
"C" 9

145
Mid-Med
"D" 10

161
Late
uniform
"A" 11



$$\begin{array}{r} 64 \\ 4 \\ \hline 256 \end{array}$$

4

1

Early
uniform
"A"

17

Early
(3)

2

33

Early
"C"

49

Mid-Long
uniform
"A"

65

Mid-Long
"B"

5

81

Mid-Long
"C"

6

97

Mid-Med
uniform
"A"

113

Mid-Med
"B"

8

129

Mid-Med
"C"

9

145

Mid-Med
"D"

10

161

Late
uniform
"A"

11

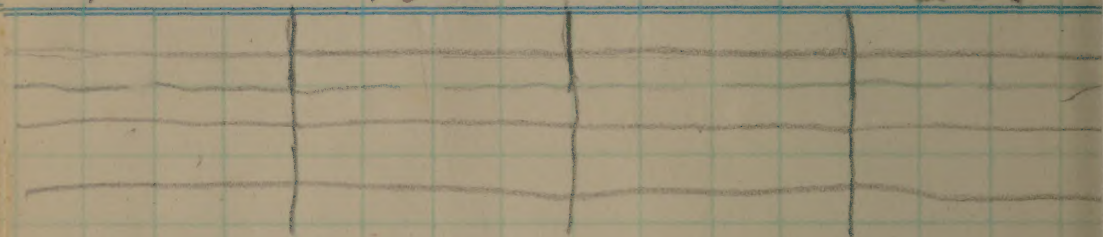
68
24

1

101

201

201



401

501

601

701

1

Early
uniform
"A"

17

Early
(3)

33

Early
"C"

49

Mid-Long
uniform
"A"

65

Mid-Long
"B"

81

Mid-Long
"C"

97

Mid-Med
uniform
"A"

113

Mid-Med
"B"

129

Mid-Med
"C"

145

Mid-Med
"D"

161

Late
uniform
"A"

96
Early block drained Sept 4th

		Sdg order	Source	DATES		PLANT	
				HEADING	FULL	HT.	
				1ST FULL	RIPE	(IN.)	
Early Prolific	1	3		7/25	8/5	8/28	44 9/16
TS-19801		79 ✓					
cut guard CE-5883		109 ✓					44-44
		150 ✓					
Cody	2	2	Stuttgart, Ark.	7/19	7/27	8/23	39 9/16
		74 ✓					
		102 ✓					39-40
		159 ✓					
Zenith	3	3	1	7/25	8/4	8/25	41 9/16
CE-7787		68 ✓					
cut guard		108 ✓					41-41
		157 ✓					
AL-5-1-10, TxBR	4	20		7/25	8/6	8/31	43 9/16
	4	80 ✓					
		112 ✓					43-44
disc		151 ✓					
B317A39-5-1, WxF (roque)		5	5213	7/25	8/5	8/31	45 9/16
cut guard		72 ✓					45-45
		105 ✓					
		147 ✓					

1st measurements
at hts. on 1st series

PLANTING	LODGING	DISEASES		
		H.O.	Cerco- spora	White Tip
	0	M	S	
	0		S	
	0		M	
	0	M	R	
	0	M	R	

Sept 11 on 7/3

color

T-M

Much brownning on 9/1
sl. taller than most BR. 4/1 &
self and more irregular in h

T-M

Highly succ. to CO, badly
discolored on 8/31

T-M

moderately discolored on 9/1 for
C.O.

M-M

Irregular ht. reg very
green on 8/31, at least as
tall as EP.

T-M

Very long leaves, probably a
little taller than EP. Willowy
stems, reg. green on 8/31
standing OK.

are on 1st + 3rd
in heading data on 1st

4

YIELD DATA

GMS. PER ROW	ACRL BU.	E.D LBS.
--------------------	-------------	-------------

465

499

456

474

1894 63.1 2841

369

349

474

450

1642 54.7 2463

414

460

495

419

1788 59.6 2682

459

441

522

485

1907 63.6 2860

500

533

532

532

2097 69.9 3146

1

Early
uniform

2

3

4

5

7

DATES		PLANT HT. (IN.)
HEADING	FULL	
1ST FULL	RIPE	

6

7/25 8/3 8/28 40 9/1

B404A1-454, BR-4XEP

69 ✓ 2270

41-40

110 ✓

160 ✓

7

Colusa 7 13 7/19 7/25 8/22 40 9/1

T.S.-19798 70 ✓

CI-1600 106 ✓

40-40

145 ✓

8

B41-3299-7, BR-8. 2066 7/2 8/8 8/30 45 9/1

BR Sel. 74 ✓

107 ✓

155 ✓

46-44

9

B29/3A29-1-1, 9 4 7/19 8/1 8/27 39 9/1

COXBR 65 ✓

TS-33105

CI-8323 98 ✓

37-41

156 ✓

10

10 7/27 8/5 8/30 42 9/1

B404A1-51-3, 2292

BR-41XEP

103 1st row of 2nd series of 41-43

154 F2 of BR 41 x 8323

SHAN

LODG-
ING

DISEASES

H.O.

Cerco-
spora

White
Tip

O

R

M

S

O

O

Seg
Sor Seg

O

S

O

R

T-M
darker shorter than Ep on 7/1
shorter straw than Ep. more
uniform lt. reg. very green
on 9/1. Hay.

M-D
Very badly discolored by C.O. on 9/1

T-M
Tall like Ep on 7/1
all plants appear to have
some C.O. on 9/1. Not badly
discolored tho, sl. taller
than Ep. heavier.

M-D
a few off-type rogues.
Hay plot, badly discolored
by C.O. on 9/1

M- with sprouting in panicle
(sprout not as good as 6 or 26
appears sl. taller than ²⁴6
Irregular lt. like Ep. possibly
heavier than ²⁴6

WEIGHING

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

436			
447			6
461	9		
474			
<u>1818</u>	60.6	2727	✓
425			
383			7
403	16		
<u>377</u>			
1588	52.9	2382	✓
527			
446			8
468			
501	4		
<u>1942</u>	64.7	2913	✓
443			
502			9
611			
<u>456</u>	2		
2012	67.1	3018	✓
463			
463			10
470	7		
<u>459</u>			
1855	61.8	2782	✓

			DATES			PLANT HT. (IN.)	
			HEADING	FULL			
			1ST FULL	RIPE			
11	11 (39)	8/3	8/12	9/4	43	9/16	
B2916A34-3-3-1,	76✓						
ExBR	104✓				43-44		
CI-8324-2	146✓						
12	12 6	7/25	8/5	8/31	42	9/16	
S40-25313,	73✓						
EPxBR	101 (row is too short)				41-44		
	158✓						
13	13 7	8/1	8/12	8/28	44	9/16	
C283A9-6-1-2,	75✓						
ExF	99✓				43-45		
CI-8319	152✓						
14	14 2	7/25	8/7	8/26	43	9/16	
C2920A41-2-2,	77✓						
IBRx F	97✓				41-45		
CI-8318	148✓						
15	15	7/25	8/7	8/27	41	9/16	
Lady Wright	67✓ 5						
TS-19803	111✓				41-41		
CI-5451	149✓						

TERING

LODG-
ING

DISEASES

H.O.

Cerco-
spora

White
Tip

O

S

O

S

O

R

O

M

R

O

S

MT - M

appears to be sl. taller than
#10. More leafy, straw
hardly as stiff.

^D
T^D - D
Dark. gr. on $\frac{7}{1}$ BR appearance
similar to #56 and 10,
except showing a moderate
amount of C.O. on $\frac{9}{1}$

T - L

Rather tall, very leafy.

T - M

Irregular ht. rather leafy.
Not as productive as ^{EP}
and #26, 10 + 12.

T - M

Fairly good. Very little
C.O. on $\frac{9}{1}$.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

403

431

11

459

~~12~~440

1733 57.8 2600 ✓

473

446

12

515

3

510

1944 64.8 2916 ✓

415

375

13

551

~~12~~358

1699 56.6 2548 ✓

362

467

14

495

~~12~~420

1744 58.1 2616 ✓

390

433

15

440

14

414

1677 55.9 2516

	DATES			PLANT HT. (IN.)	
	HEADING	FULL			
	1ST FULL	RIPE			
16	16	8/2	8/13	9/3	45
Prelude	78 ✓ 10				
CI-8311	100	(Row is too short)			44-47
<u>cut guard</u>	153 ✓				

17	17	8/2	8/13	9/4	43
C6-251-4-2	50 ✓ V126				
E-F x AL-II	141 ✓				41-45
	182 ✓				
	Crowley				

18	18	8/17	8/9	8/21	40
B4117A10-13,	57 ✓ 2489				
(40/A x 8324)	135 ✓				39-42
<u>cut guard</u>	185 ✓				

19	19	7/29	8/7	8/29	37
B3722A1-142-5,	62 ✓ 2176				
F x BR	134 ✓				36-39
	187 ✓	Trip. in center row 3rd gen.			

ITERING

LODG-
ING

DISEASES

H.O. Cerco- White
spora Tip

O

R

R

O

M

R

O

R

O

R

T-D

Tall, long heads leafy.

M-D

Rather poor stand in 1st series
sl. green, let. Looks much
like *Phelipendula* when ripe
more heads, not as coarse
Use medium-grain too.

M-D

Is very good, leafy like 8324
shorter stem, very long grain
yield. sl. shorter than #26 in 4th.

S-D

Poor much stinky, short
dark. 2d prob. a B R 4/
X 8323 sel.

FIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

330

497

16

526

8

475

1828 60.9 2742 ✓

av. of test = 60.9 ✓

17
Early
(3) ✓
2

361

586

17

581

2

472

2000 66.7 3000 ✓

434

507

4

18

514

435

1890 63.0 2835 ✓

384

365

19

432

13

340

1521 50.7 2282 ✓

			DATES		PLANT HT. (IN.)	
			HEADING	FULL		
				RIPE		
20	20	ha.	7/25	8/6	8/27	47
AL5-1-11,	63 ✓	V133				
I x BR	129 ✓	Crowley				46-49
	181 ✓					
21	21		7/20	8/8	8/29	40
B4117A60-2,	60 ✓	2595				
(401A x 8324)	132 ✓					38-42
<i>cut ground</i>	190 ✓					
22	22		8/30	8/8	8/26	45
Honduras	56 ✓	43				
<i>cut ground</i> TS-1611	133 ✓					44-47
CI-1643	192 ✓					
23	23		8/5	8/13	8/30	45
B41-3299-13,	51 ✓	2082				
BR-Sel.	142 ✓					45-45
<i>cut ground</i>	188 ✓					
24	24	ha.	7/31	8/9	8/28	41
C39R309,	54 ✓	V121				
E.P. Sel.	131 ✓	Crowley				40-43
	183 ✓					

TERING

LODGING

DISEASES

H.O.

Cerco-
spora

White
Tip

O

R.

O

See
1-S plant
mostly R.

O

S

O

M

R

O

R

M-D

Too tall, light, disc
very irregular lit.

M-D

quite good, stiffer straw
than 8324, but short straw
a few C.D. succ. plants
present.

VT-L

Rather tall, leafy, good
appearance but light for grain

M-D

more uniform ^{heading} than #8, to
ripens almost as early
also appears to be resistant
to C.D. on 9/6. More leafy than #26

M-M

rather short straw, like 8324
stiffer & not as leafy.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

316		
379		20
448	14	
356		
1499	50.0	2248 ✓
414		
495		21
458	6	
456		
1823	60.8	2734 ✓
377		
417		22
359	15	
340		
1493	49.8	2240 ✓
434		
524		23
503	3	
455		
1916	63.9	2874 ✓
356		
436		24
435	11	
313		
1540	51.3	2310 ✓

		DATES			PLANT HT. (IN.)	
		HEADING		FULL		
		1ST	FULL	RIPE		
25	25	8/4	8/14	9/5	46	9/6
B3722A1-93,	53 ✓ 32					
FxBR	136 ✓				44-48	
	177 ✓					
26	26	7/25	8/2	8/28	43	9/6
B404A1-29-4,	52 ✓ 2269					
BR-41 x EP	144 ✓	Very late heading			42-44	
<i>cut grain</i>	184 ✓					
27	27	8/8	8/20	9/6	44	9/6
B4031A1-23,	55 ✓ 3451					
<i>cut grain</i> TPx B323AS-8	143 ✓				44-45	
	178 ✓					
28	28	7/26	8/5	8/27	45	9/2
B3313B40-4,	58 ✓ 31					
Rx7689	139 ✓				43-47	
	191 ✓					
29	29	8/5	8/13	9/4	38	9/6
B2916A34-3-3-1, 81	64 ✓ 38					
ExBR	137 ✓				37-40	
CI8324-1	189 ✓					

TERING

LODGE
ING

DISEASES

H.O. Cerco- White
spora Tip

4
2

O

M

O

M. R.

O

O

M

S-

O

S

V.T - M.

prob. too tall. 2nd very
succ. to H.O. Wide leaves
like Prelude, prob. taller + sl
later than Prelude

M - D

earlier than EP, v. uniform
ht + mat, shorter, stiffer
straw than EP.

clear vegetation in all series

S - M

Rather tall when ripe
appears quite productive
some segs. for mat + ht.
much sprouting in panicle

T - M

Irregular ht, straw rather
light, disc. account w/ straw
+ C.O.

T - M

much shorter straw than

8324

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

350

457

9

25

420

346

1572 52.4 2360 ✓

463

530

26

585

1

459

2037 67.9 3056 ✓

268

384

27

413

16.

323

1388 46.3 2082 ✓

390

448

8

28

431

391

1660 55.3 2490 ✓

344

403

29

393

10

414

1554 51.8 2331 ✓

		DATES		PLANT HT. (IN.)	
		HEADING 1ST FULL	FULL RIPE		
30	30	7/29	8/8	9/3	39 9/16
B4117A60-1,	59 ✓ 2594				
(401A x 8324)	138				37-41
	180 ✓				

31	31	8/12	8/21	9/10	50 9/16
B3722A1-S1-1-2,	61 ✓ 2648				
FxBR	130 ✓				48-52
	186 ✓				

32	32	7/19	8/9	8/24	42 9/16
C41R4367	49 ✓ V109				
F-Bckcr.	140 ✓				40-45
	179				

ha.
Crowley

33	33	7/25	8/2	8/27	37 9/16
B4117A2-5,	89 ✓ 2439				
(401A x 8324)	122 ✓				35-39
	171 ✓				

TERING	LODG- ING	DISEASES			H R
		H.O.	Cerco- spora	White Tip	
	O		S?		
			many S possibly Seg		
	O				
	O	M	R		
	O		Seg		
			many S possibly Seg		

M - D

similar ht. to #29, stiffer
straw more uniform ht.
2nd 3rd spikes 29 & 30 like
almost identical.

M - D

Very tall, late, irregular ht.,
prob discard

T - M

looks somewhat like 83/8
quite irregular ht.

M - D

Short straw, much stink
& discolored glumes.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

376

509

30

439

7

390

1714 57.1 2571 ✓

33
Early
"C"

370

470

31

523

5

492

1855 61.8 2782 ✓

293

470

32

467

12

304

1534 51.1 2301 ✓

avg test = 56.2 ✓

380

448

33

430

8

390

1648 54.9 2472 ✓

		DATES			PLANT HT. (IN.)	
		HEADING	FULL	RIPE		
		1ST FULL				
34	34	7/24	8/4	8/28	35	9/2
B401A	88 ✓ 2216					
BR-41x8323	118 ✓				34-37	
	163 ✓					
35	35	7/29	8/5	8/29	36	9/2
B401A 3-43,	96 ✓ 2189					
BR-41x8323	126 ✓				35-38	
	173 ✓					
36	36	7/20	8/5	8/24	40	9/2
B411A 3-12,	84 ✓ 2371					
8323 x Z	119 ✓				40-40	
	164 ✓					
37	37	7/19	7/29	8/22	38	9/2
B401A 53,	95 ✓ 2158					
BR-41x8323	117 ✓				36 40	
	169 ✓					
38	38	7/17	8/1	8/28	37	9/2
B401A 30	91 ✓ 26					
BR-41x8323	114 ✓				35-40	
	176 ✓					

TERING

LODGE
ING

DISEASES

H.O. Cerco- White
spora Tip

Ly
Bz

0	++	seg. few S seg	0
---	----	----------------------	---

0	M	seg. frowling severals prob seg	0
---	---	--	---

0	M	M	+
---	---	---	---

0		R	T
---	--	---	---

0		R	T
---	--	---	---

S-D

S-D

more like 8323 than 33 or 34
quite long.

T-D

8323, a little too
Very good, some irregularity
in ht & heading but V. prod.
Beet of 8323 x 7 also, fast ripening
P

T-D

fast ripening, uniform ht
& maturity. Have
much discoloration, 222
long heads, many dead leaves

M-D

Similar to 33 to 35,
Very green vegetation, long

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

313

420

34

389

12

446

1568 52.3 2352 ✓

351

525

35

551

1

415

1842 61.4 2763 ✓

372 ✓

488

36

435

4

467

1762 58.7 2643 ✓

336

483

37

492

5

422

1733 57.8 2600 ✓

333

512

38

447

7

391

1683 56.1 2524 ✓

DATES		PLANT HT. (IN.)
HEADING 1ST FILL	FULL RIPE	

39

39

7/24

8/1

8/26

38

9/6

B3810A17-1-1,

81 ✓

2679

Very uniform

S-EP x CA-Cdy

~~(S-EP) x (CA-Cdy)~~

123 ✓

36-40

172 ✓

40

40

8/5

8/13

8/30

44

9/6

C42-13,

93 ✓

21

~~461 x 461-EP~~

127 ✓

42-46

461 x 461-EP

167 ✓

41

41

7/20

7/30

8/24

37

9/6

B411A3-35,

87 ✓

2395

8323 x Z

115 ✓

37-38

174 ✓

42

42

7/20

8/2

8/26

36

9/6

B4117A11-3,

82 ✓

2493

(401A x 8324)

113 ✓

34-39

162 ✓

43

43

7/24

8/6

8/26

38

9/6

B411A3-7,

92 ✓

2366

8323 x Z

121 ✓

36-40

161 ✓

IERING

LODGE
ING

DISEASES

H.O.

Cerco-
spora

White
Tip

W
R

0	R	R	+
---	---	---	---

0

0 M

0	R	T
---	---	---

0

Thatcher

VT - M. ^{stiffer straw & not as}
~~grassy~~ 8323.
many dead leaves at base on 7/3
peduncle barely emerged from
sheath, very uniform ht.
long long heads, creamy bell color
flag leaf strong green as green as
must keep below flag.

T - M

fairly uniform ht. stalks
than Ep. good.
and prob. not as prod.

MS - MD

shorter than #56 2x more
like Z. V. good, more unif.
ht & more than #36
Prob. not as prod.

M - M

short, leafy, disc

M - D 2nd ylt. series it is as tall
as #56, appears as long as
most uniform of 411 Asds
shorter straw than 36
Very good, heavier of 411 As
Prob. heavier than Z. Very good

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

328

492

39

441

9

359

1620 54.0 2430 ✓

305

440

40

410

15

357

1512 50.4 2268 ✓

317

467

41

403

13

378

1565 52.2 2348 ✓

315

430

42

344

16

374

1463 48.8 2194 ✓

370

473

43

516

2

460

1819 60.6 2728 ✓

		DATES			PLANT HT. (IN.)	
		HEADING	FULL			
		1ST FULL	RIPE			
44	44	7/20	8/1	8/26	36	9/2
B401A	83 ✓ 2192					
BR-41x 8323	124 ✓				35-38	
	168 ✓					
45	45	7/23	8/3	8/24	41	9/2
B353A2-14-1-1,	86 ✓ 29					
Kx7143	116 ✓				39-43	
	165 ✓					
46	46	7/20	8/4	8/26	37	9/2
B401A34,	90 ✓ 27					
BR-41x 8323	128 ✓				36 39	
	170 ✓					
47	47	7/23	8/5	8/21	37	9/2
B43-2113,	94 ✓ 2113	some seen				
(8323 rogue)	125 ✓				35 39	
	166 ✓					
48	48	7/29	8/4	8/30	37	9/2
B2913A29-1-1, 85	36 ✓	Very nice heading			36-38	
COxBR	120 ✓					
CI-8323-1 (n)	175 ✓					

PLANTING

LOGG-
ING

DISEASES

H.O. Cerco- White
 spora Tip

W
R
F

0

M

leg

fur S
prob. leg

0

S

0

R

+

0

117

0

MT - D

good 8323 type

VT - M

call

MS - D

Too much sterility

T M

Hardly as tall as Zenith on $\frac{7}{8}$. Taller
than CI-8323, lighter color.
Zenith appearance

M - D

Very good 8323 type

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

310

454

44

467

10

372

1603 53.4 2404 ✓

324

465

45

468

6

445

1702 56.7 2553 ✓

351

450

46

425

11

348

1574 52.5 2361 ✓

348

442 ✓

47

417

14

322

1529 51.0 2294 ✓

392

515

48

461

3

440

1808 60.3 2712 ✓

av. of test = 55.1 ✓

Lrained midseason black Sept. 9

cut
wand

49

193

8/7

8/19

9/4

43

Delitas

246✓ 46

TS-8076

312✓

CI-1206

346✓

41-46

50

194

8/5

8/18

9/6

44 9/16

C2-20-26,

256✓ 57

NxBR

310✓

43-46

352

51

195

8/18

8/27

9/18

55

Early Nira

243✓ 48

315✓

56-54

337✓

cut
wand

52

196

8/12

8/22

9/9

49 9/16

Arkansas Fortmarasi

47

CI-8309

320✓

49-49

53

197

8/16

8/23

9/14

48 9/16

AH-32-23,

242✓ 53

RXF

307✓

48-48

348✓

LOGG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R 0

0 R 2

0 R 0

0 M 0

0 M 0

Very badly discolored on 7/1
M - M
no discol. on 8/2

Very poor, many
very short heads.

T-MD

quite short straw, uniform
ht. Brood houses,
good Tally than 90
similar maturity & more happy

T-MD

Very much like Dura
except a day or so earlier
and appears to have killed
more.

T-M

V. similar to Fort,
except earlier.

MT-M

ham ht as a Bt. fairly
uniform ht. but appears
quite long. V good

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

229
240
271
239

979 32.6 1468 ✓

276

353

320

347

1296 43.2 1944 ✓

349

385

424

332

1490 49.7 2235 ✓

362

371

426

354

1513 50.4 2270 ✓

337

384

380

344

1445 48.2 2168 ✓

49

16

50

49
Mid-Long
Uniform
"A"

13

51

6

52

4

53

9

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	

54

198

8/17 8/24 9/14 44 1/2

C922A6-18

241 ✓ 64

RxF

317 ✓

45-44

339 ✓

cut
grand

55

199

8/23 8/31 9/19 55

Nira

247 ✓ 49

TS-19936

306 ✓

56-54

CI-2702

342 ✓

56

200

8/8 8/16 9/6 42 1/2

S41-10609

249 ✓ 62

R x SBR

314 ✓

42-42

350 ✓

cut
grand
Texas
Fortuna

57

201

8/19 8/27 9/16 49 1/2

Fortuna

253 ✓ 50

TS-9821

305 ✓

49-49

CI-1344

344 ✓

cut
grand

58

202

8/19 8/27 9/15 46 1/2

B347B40-9

254 ✓ 63

R x N

311 ✓

46-47

347 ✓

LODG-
ING

DISEASES

H.O. Cerco- White
spora Tip

0

R

0

0

R

0

0

M 1

0

M

0

0

R

0

MS-M

v. uniform ht, hardly as
tall as Bt, shorter heads,

T-MD

Very tall, quite uniform
ht. v. good, quite productive

M-M

Very short, poor panicles
many dead leaves, fair
amount of grain. much
shorter than Bt.

MF M

looks very good ^{fairly} uniform
ht, good heads.

same ht as Bt + 53 or sl. shorter

MT-D ^{ht} as good as 78

sl. shorter straw than Ford,
gold heads, uniform ht.

good, resembles B41-5

sl. later & more variable ht.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

369

432

54

460

359

1620

54.0 2430 ✓

307

320

55

412

354

10

1393

46.4 2090 ✓

225

293

56

304

279

1101

36.7 1652 ✓

366

424

57

410

393

2

1593

53.1 2390 ✓

325

332

58

361

322

1340

44.7 2010 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL		
1ST FULL	RIPE		

59

203

8/23 8/30 9/20 49

C2-26-1,

248 ✓ 60

NxF

316 ✓

22 sure to Fort rail Co,
according to Dixon

345 ✓

cut
guard

60

204

8/13 8/22 9/10 46 9/12

Bluebonnet

252 ✓ 56

TS-33104

313 ✓

CI-8322

349 ✓

46-47

61

205

8/22 8/29 9/20 46

C322A6-23,

244 ✓ 58

RxF

309 ✓

343 ✓

46-47

62

206

8/7 7/17 9/3 45 9/11

Shoemed

255 ✓ 45

TS-19887

319 ✓

CI-3625

340 ✓

44-46

63

207

8/13 8/23 9/16 46 9/11

C4-II-1-8-1,

245 ✓ 61

Rx BR-R

318 ✓

351 ✓

46-47

PLANTING

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R 0

0 R 0

0 R 0

0 R 0

0 ^{Seg}
R M ✓

MT-M Possibly a little taller than F
Is very much like Fost.
also lit, etc, but is
smoother & not as much
leaf dying, sl. later

MS-MD

Irregular lit, ^{in some sense} fair amount
of grain, v. good in bud,

MS-M

about like B1 for lit & general
appearance, except later
shorter grain type

Very tall on $\frac{7}{8}$

VT-M

MT-MD

Very rapid ripening, rather
short stem, narrow leaves
Taller than 54

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

345		
373		59
462		
<u>374</u>	3	
1554	51.8	2331 ✓
356		
378		60
362	5	
<u>404</u>		
1500	50.0	2250 ✓
304		
362		61
366	11	
<u>333</u>		
1365	45.5	2048 ✓
322		
404		62
385	8	
<u>338</u>		
1449	48.3	2174 ✓
273		
293		63
320	14	
<u>272</u>		
1158	38.6	1737 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL	RIPE	

cut mailed	64	208	8/22	8/30	9/20	45
	B346B40-6,	250 ✓ 121				
	SxN	308 ✓				45-45
		341 ✓				

cut mailed	65	209	8/12	8/27	9/20	47
	B3713A19-2,	272 ✓ 373/				
	SxR	334 ✓				45-49
		374 ✓				

	66	210	8/23	8/30	9/21	54
	B347B41-7,	264 ✓ 95				
	RxN	321 ✓				52-56
		370 ✓				

cut mailed	67	211	8/16	8/25	9/15	46
	B322A4-1,	269 ✓ 99				
	RxF	332 ✓				45-47
		379 ✓				

M - M

Short straw, erect panicle,
Too much sterility, heads
very light, this is true in all
series. Not nearly as good as 95

All shorter than 78, stiffer straw
quite tall on $\frac{1}{2}$, ~~leaves~~ ^{some leaves}
MT - M, may not be superior.
quite short straw, upright
flag of Rector, consid. drying of
leaves at base. V. good.

M - M

almost as tall as 78,
gold hull, 78 appears more
Good.

M - MD

Shorter than 78, stiffer straw than
Bt, more leaf drying at
base. Not as an erect growth
habit.

YIELD DATA

GMS. PER ROW	ACRE YIELD
BU.	LBS.

377

342

428

323

64

7

1470 49.0 2205 ✓

av. g test = 46.4 ✓

65
Mid-Long
"B"

394

469

531

427

65

1821 60.7 2732 ✓

288

332

399

300

66

1319 44.0 1978 ✓

371

414

430

341

67

1556 51.9 2334 ✓

		DATES			PLANT HT. (IN.)
		HEADING	FULL		
		1ST FULL	RIPE		
68	212	8/16	8/27	9/19	50
B352A11-2-3-2-1	259 ✓ 66				
K x R	326 ✓				48-52
	378 ✓				

69	213	8/21	8/30	9/20	50
B347B39-18-1	258 ✓ 92				
R x N	324 ✓				49-52
	382 ✓				

70	214	8/10	8/23	—	43
B4033A4-15	262 ✓ 3376				
TPX 3313A1-16	331 ✓				43-44
	376 ✓				

*Don't know
substituted
new in heading
more (28/4)*

71	215	8/14	8/23	9/15	48 1/2
B322A3-6	260 ✓ 100				
R x F	329 ✓				47-49
	381 ✓				

72	216	8/10	8/21	9/6	47 1/2
B4033A4-43	265 ✓ 3406				
TPX 3313A1-16	335 ✓				47-48
	384 ✓				

*cut & ground
new 11 rows
of the old in
heading
more (28/5)*

LODG- ING	DISEASES		
	H.O.	Cerco- spora	White Tip
0		R	0
0		R	0
0		leg R-M	0
0		R	0
0		R	0

MT-D

upright gr. on 8/2
Rather long heads, leafy,
not enough heads.
v. stiff straw

quite tall on 7/1

M-M

Tall like Nina, stiffer straw
Nina maturity

very short on 7/1

VS-M Has a very long grain
Earlies are among earliest
in set, and also shortest
also has a late type present.

MT-M

shatters worse than
other sets, only fair
Rough, gold.

MT-M same ht as 65, earlier

Rather short straw, and of
earliest, quite uniform.
Prob. earliest. Adv.

Jones likes best of all midlongs

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

340

378

68

400

244

14

1362 45.4 2043 ✓

393

404

69

412 ✓

6

351

1560 52.0 2340 ✓

305

345

70

300

16

299

1249 41.6 1874 ✓

338

438

71

419

5

405

1600 53.3 2400 ✓

420

410

4

72

406

399

1635 54.5 2452 ✓

		DATES			PLANT HT. (IN.)
		HEADING	FULL		
		1ST FULL	RIPE		
73	217	8/22	8/21	9/21	53
B347B39-7,	271 ✓ 72				
RxN	330 ✓				53-54
	372 ✓				
74	218	8/13	8/23	9/8	46 1/2
B4026A5-6,	266 ✓ 3332				
(3313A1-16xR)	328 ✓				45-47
	369 ✓ (2828)				
75	219	8/17	8/26	9/15	46 9/16
B322A4-6-3,	263 ✓ 59				
RxF	325 ✓				45-47
	377 ✓				
76	220	8/20	8/29	9/20	50
B347B39-18,	268 ✓ 73				
RxN	322 ✓				48-53
	371 ✓				
77	221	8/11	8/22	9/9	50 9/16
B4033A4-18,	257 ✓ 3379				
TPX3313A1-16	323 ✓				49-51
	383 ✓				

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0

R

0

0

R

0

0

R

0

0

R

0

0

R

0

T-MD. 7/1

Almost as tall as Nina, very similar
to Nina; except stiffer straw
more uniform ht.

S-MD

Has straw of 3313A1-16 type.
v. similar to 44-6-SRxF
Rather short, sturdy straw
some segs. for hts.

72, 74 + 80

are all about same h

SM-MD

Rather short straw - Heavy
straw.

M-M

Nina maturity, looks like Nina
except shorter straw

M-M

appears to be seg for mat.
irregular hts. not as uniform as
#80, good.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

388
428 73

413 9

326

1555 51.8 2332 ✓

371

450 74

393 7

344

1558 51.9 2337 ✓

442

454 75

393 2

442

1731 57.7 2596 ✓

347

375 76

379 12

340

1441 48.0 2162 ✓

322

441 77

401 11

339

1503 50.1 2254 ✓

cut
ground

78

222

B347841-5,

261 ✓

RXN

333 ✓

375 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL	RIPE	
1ST	FULL	RIPE	

8/11

8/22

9/12

48

9/11

94 all earheads are rough

47-50

cut
ground

79

223

Taman Nira

270 ✓

77

336 ✓

380 ✓

8/11

8/24

8/14

50

9/11

49-51

cut
ground

80

224

B4033A4-30

267 ✓

339 ✓

TPx3313A1-16

327 ✓

373 ✓

8/9

8/21

7/5

48

9/11

47-50

Salem
breeding
mice
(2852)

81

225

B4015A10-1,

276 ✓

3042

(2912A13xBR-41)

289 ✓

365 ✓

8/14

8/19

9/16

42

9/11

41-43

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

O R O

O R O

O R O

O R O

Taller than 67 & 65

M-M considerably, shorter
straw than Nira, v. green straw
not long peduncle & panicle
droops like Nira, v. good,
fl. later than Bt,
not as tall as # 79

T-MD

Taller than # 80, later, 1/2 way

medium-grain, v. good

Taller than 65 or 72

M-M

Earliest sel in group except
shoemed. One of shiny best
#0334 sel.

T-D

Rather short straw, v. conform
bit, rather short heads,
stiff peduncle, like H-Bv
decid.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

320

407

366

313

1406 46.9 2109 ✓

370

415

410

360

1555 51.8 2332 ✓

426

443

427

382

1678 55.9 2517 ✓

avg test = 51.1 ✓

406

528

525

383

1842 61.4 2763 ✓

78

13

79

10

80

81
Mid-Long
"C"

81

81

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
82	226		8/23	9/1	9/22	49
B346B39-9,	285 ✓ 97					
SxN	304 ✓					49-49
	357 ✓					
83	227		8/23	8/31	9/22	52
B346B39-18,	277 ✓ 98					
SxN	293 ✓					50-54
	353 ✓					
84	228		8/23	9/1	9/17	52 9/16
Nira Sel,	282 ✓ 74					
(Nome)	297 ✓					50-55
	355 ✓					
85	229		8/24	9/2	9/22	44
B354A1-29,	273 ✓ 83					
SBRx 7/43 (ogue)	292 ✓					44-45
Prob. SxN	354 ✓					
86	230	2a.	8/10	8/19	9/8	48 9/16
C-III 2-1-29	279 ✓ V179					
Dx N-D	294 ✓					46-51
	368 ✓	Crowley				

LODG- ING	DISEASES H.O.	Cerco- spora	White Tip
0		R	0
0		R	0
0		R	0
0		R	0
0		R	0

T - M

Rather tall, & irregular
lit. Nina neat, about same
lit as 95. Taller than 98.

MT - M

Tall like Nina, stools better
V. hay, V. Uniform lit,
long drooping heads like
Nina.

MT - M

Rough bell, conical. purple,
Nina growth habit, tall, drooping
heads, whittier, discs

M - M

20 a SxN type, not as
good as some, disc
short stem,

T - D

quite tall, resembles Nina,
tall, earlier than Nina,

YIELD DATA

GMS. PER ROW	ACRE	YIELD BU.	LBS.
--------------------	------	--------------	------

287

428

382

345

11

82

1442

48.1 2163 ✓

344

439

390

397

7

83

1570

52.3 2355 ✓

305

399

341

390

12

84

1435

47.8 2152 ✓

244

315

318

288

16

85

1165

38.8 1748 ✓

324

400

386

381

9

86

1491

49.7 2236 ✓

		DATES			PLANT HT. (IN.)
		HEADING	FULL		
			1ST FULL	RIPE	
87	231	8/12	8/21	9/14	43 9/16
B376A2-19-2,	275 ✓ 3686				
(IBRxF) x S	295 ✓				43-43
IBR-F x S	363 ✓				
88	232	8/9	8/16	9/16	43
B4016A8-1,	278 ✓ 3018				
K-47 x BR-41	291 ✓				43-44
.	362 ✓				
89	233	8/18	8/26	9/16	48 9/16
Taman Fortuna	287 ✓ 78				
	300 ✓				48-48
	366 ✓				
90	234	8/7	8/16	9/4	39 9/16
B43-2089, BR	288 ✓ 2089				
(Smooth)	299 ✓				39-39
	367 ✓				
91	235	8/18	8/30	9/16	46
B376A2-57-1,	286 ✓ 3613				
(IBRxF) x S	290 ✓				46-46
IBR-F x S	358 ✓				

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R 0

0 R 0

0 R 0

0 R 0

0 R 1

VT-M

V. short straw, v. leafy
many dead leaves, shatter v.
badly, long heads, prob quite
productive.

VT-VD ^{sl. earlier than 93} ^{more} ^{leaves}
sl. taller than 93, narrower

V. uniform, looks much
like K. 47, but sl. later &
better straw, also easily
threshed Jones likes

M-M

sl. irregular hts. sl. taller
than 92, quite productive

sl. short on 7/1

T-D

Tall on 8/2

V. short straw, V. uniform
ht. quite productive. Jones
considers it promising

M-M sl. taller than 92

Fairly short straw, uniform
good, shorter than 94 + 82
smooth hulls, not as leafy
over much drying as most 376

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

371

350

87

331

14

323

1375 45.8 2062 ✓

330

463

88

360

10

320

1473 49.1 2210 ✓

371

392

89

437

8

367

1567 52.2 2350 ✓

317

395

90

368

12

360

1440 48.0 2160 ✓

278

358

91

371

15

349

1356 45.2 2034 ✓

		DATES			PLANT HT. (IN.)
		HEADING 1ST FULL	FULL RIPE		
92	236	8/12	8/23	9/15	44
B376A2-72-4,	280✓ 69				
(IBR-F)XS	302✓				44-44
IBR-FXS	356✓				
93	237	8/11	8/19	9/16	43
C40/6A	281✓ 2994				
K-47xBR-41	296✓				42-44
	361✓				
94	238	8/23	8/30	9/21	48
B346B39-16,	274✓ 89				
SxN	301✓				47-49
	359✓				
guard 95	239	8/22	8/29	9/20	49
B346B39-4,	284✓ 71				
SxN	298✓				48-51
	360✓				
96	240	8/14	8/21	9/17	45
B40/6A2-4,	283✓ 3017				
K-47xBR-41	303✓				46-44
	364✓				

LODG.
ING

DISEASES

H.O. Cerco- White
spora Tip

0

R 1

0

R 0

0

R 0

0

R 0

0

R 1

M-M

v. short stem, v. leafy
uniform hay, rough huck
straw fairly lod. good
more leafy than 91

T-VD more leafy than 88

short stem, v. good, BR
grain type pr. quinlin, v.
much like 88. v. thin st.
Heavier than 88. ^(thicker stem) more uniform, sl. short

VT-MD

very uniform, taller than
#85, good, fairly tall, but
very good stem, stiff,
not as tall as 85,

VT-M

v. much like 94, except
much more productive.
better ^{longer} heads, less sterility

T-VD

good BR type, taller than
88 or 93. looks like K-97

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

418

508

92

480

3

410

1816 60.5 2724 ✓

431

510

93

475

4

389

1805 60.2 2708 ✓

382

504

94

409

6

371

1666 55.5 2499 ✓

421

505

95

529

1

394

1849 61.6 2774 ✓

397

487

96

414

5

408

1706 56.9 2559 ✓

avg test = 52.1 ✓

81

all plots but 114, 118, 143, 146, 150, 151

Dramed mid - med-gr. block Sept 16

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
	97	385	8/12	8/23	9/16	32
	Asahi	484 ✓ 103				
✓	CI-8312	563 ✓ 594 ✓				31-33
	98	386	8/9	8/16	9/12	38
✓	Calady-40	487 ✓ 106				
	CI	574 ✓ 607 ✓				38-39
cut guard	99	387	8/10	8/18	9/14	42
	Arkrose	482 ✓ 109				
✓	CI-8310	567 ✓ 603 ✓				42-42
	100	388	8/10	8/18	9/13	37
	CI-6796	488 ✓ 104				
✓		564 ✓ 606 ✓				39-36
cut guard	101	389	8/9	8/18	9/15	43
	Kamrose-34	495 ✓ III				
✓	CI-8314	571 ✓ 596 ✓				43-43

at on 9/23. The remaining
 pel were cut 9/26, guards
 at 9/25+26.

PLANTING	LODG- ING	DISEASES		
		H.O.	Cerco- spora	White Tip
	0		R	1
			1-1	
	0		S	2
			1-2	
	0		S	3
			2-3	
	0		R	1
			1-1	
	0		R	2
			2-1	

VS-M

V. short straw, rather light for
gain.

T-M

only fair, too many
sterile heads, uniform
relatively short straw,

M-D

Taller than Colody, fairly good

M-M

Fairly good, Hardly as good
as Aradia but better than
Colno. Definitely superior to
better Ca x K seeds.

M-M

Fairly good, heavier than
Arkensae, cleaner straw
uniform but is shorter than
BR-41 in seed.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LES.

272
321 97

340 13
281

1214 40.5 1821 ✓

310 88
286 98

336 14
265

1197 39.9 1796 ✓

301 88
330 99

360 12
231 97 Mid-Med Uniform "A" 7

1222 40.7 1833 ✓

301 88
323 100
293 15

224
1141 38.0 1712 ✓

361 88
350 101

345 4

350
1406 46.9 2109 ✓

DATES			PLANT HT. (IN.)
HEADING		FULL RIPE	
1ST	FULL		

*cut ground***102**

390

8/17 8/24 9/20 46

B3710A1-15-5-1, 491 ✓ 128

K-H x BR 562 ✓

46-46

disc

CI-8327-1 601 ✓

*cut ground***103**

391

8/22 8/27 9/22 45

Blue Rose 493 ✓ 107

TS-7183 573 ✓

45-45

✓ CI-1962 597 ✓

*cut ground***104**

392

8/22 8/26 9/22 45

Blue Rose-41 494 ✓ 108

✓ TS-33108 569 ✓

45-45

CI-8317

595 ✓

*cut ground***105**

393

7/30 8/8 9/2 37

Caloro 492 ✓ 101

✓ TS-19799 572 ✓

36-38

CI-1561-1 602 ✓

*cut ground***106**

394

8/15 8/23 9/18 40

✓ B3712A1-7-2, 485 ✓ 129

K-H x BR 565 ✓

40-41

CI-8326-1 608 ✓

LODGING

DISEASES
H.O. Cerco- White
spora Tip

0

R

3

3

0

S

3-

2-3

0

R

1

1-1

0

M

1

1-1

0

R

2

1-2

Taller than others on 5/23.
T - M

creamy hull color, taller than
BP. v. clean straw lighter
green color than Bk when ripe

M - D

good, later than 102.

M - M

about like Bk but lighter
green color on 9/6.

M - D

fairly good later than
Acker & Gruncker.

M - M

Short straw a number of
sterile heads, rather
irregularly set.

MILLING DATA	
HEAD TOTAL	
RICE	RICE

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LES.

361 501
296 102

391 5
355

1403 46.8 2104 ✓

325
290 103

354 10
328

1297 43.2 1946 ✓

323
252 104

349 16
212

1136 37.9 1704 ✓

293
272 105

402 11
275

1242 41.4 1863 ✓

353
380 106

419 3
289

1441 48.0 2162 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL		
1ST	FULL	RIPE	

107

395

8/17 8/25 9/16 43

B29HA18-1-1, 496✓ 114

KxH 568✓

42-44

CI-8225 593✓

cut grand

108

396

8/10 8/18 9/16 39

Acadia 490✓ 102

Ts-19882 561✓

39-39

CI-1988 599✓

109

397

8/21 8/27 9/21 41

B37I2A1-15-1-2, 489✓ 134

K-H x BR 566✓

41-42

604✓

new strain

110

398

8/14 8/24 9/19 35

✓ Ak-5-30, 483✓ 119

I x BR 570✓

34-46

598✓

111

399

8/9 8/17 9/16 33

✓ Guneki 481✓ 105

CI-6899 576✓

32-34

600✓

LOGG
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R 2

1-2

0 M 3

3-2

0 R 3

2-3

0 R 0

0

0 R 0

0

T-D

Very erect growth, consid
dead leaves at base on 9/16
ripens very fast, Univ. bet.
I note,

M-D

good, prob. best Jap in
Univ bet, Definitely not as
good as best Caxk sels.

T-M

only fair, many sterile
heads, not sturdy straw
rather irregular ht.
2' sl. taller than 8326-1

S-M

light green color on 9/16
light int. straw, not
as erect as 8326, etc,

VS-D

V. uniform ht + note
short straw, good

YIELD DATA

GMS. PER ROW	ACRE YIELD
BU.	LES.

415 801
351 107

454
369 1

1589 53.0 2284 ✓

345 801
277 108

433 8
296

1351 45.0 2026 ✓

323 801
306 109

370 9
306

1305 43.5 1958 ✓

365 801
364 110

394 2
379

1502 50.1 2253 ✓

296 801
350 111

406 7
337

1389 46.3 2084 ✓

*cut ground***112**

400

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	
8/18	9/25	9/20	42

B62-4-1, 486✓ 138

KxH rogue 575✓

605✓

43-42✓

113

401

1 seed plant 7/20
 8/18 8/28 9/22 45

B401A70 451✓ 221

✓ BR-41x 8323 553✓

636✓

45-46

114

402

8/27 8/5 9/26 47

B323A3-1-1-1, 459✓ 241 Resour growth habit

dec RxsBR 548✓

635✓

47-47

115

403

8/16 8/26 9/20 43

B404A1-23, 464✓ 157

dec BR-41x EP 557✓

628✓

42-44

LOGG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R 3

3-2

0 R 1
sp. of sp. of water
1

0 R 2
2-1

0 Seq 4
4-3
Succinea
planta
Seq

T-M

sl. taller than 8326,
one of very best BK types
sl. irregular lit.
on 2nd series is sl. shorter than
8326-1. Same lit as Calody

T-D

Taller + later than 112
heavy. also taller than 12/
uniform lit

T-M

only fair, too many
short heads, has long
sturdy straw, quite tall

T-M

Very poor, many stumpy
heads, discard, taller than
119,

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

308

329

454

310

6

112

1401 46.7 2102 ✓

avg of test = 44.2 ✓

363

546

390

376

5

113

1675 55.8 2512 ✓

113
Mid-Med.
"B" 8

271

352

114

332

14

280

1235 41.2 1852

236

394

115

311

15

143

1084 36.1 1626 ✓

- DATES		FULL RIPE	PLANT HT. (IN.)
HEADING	1ST FULL		

116

404

8/16

8/23

9/18

40

B4117A35-12, 453 ✓ 2547

(401A x 8324) 546

38-42

639 ✓

117

405

8/22

8/30

9/23

48

B4117A16-2, 449 ✓ 2507

(401A x 8324) 547

47-49

630 ✓

118

406

8/23

8/31

9/26

43

B 406, FxRed 461 ✓ 343

555 ✓

44-42

626 ✓

119

407

7 or 8 in.
8/18

8/27

9/20

43

B4117A38-4, 463 ✓ 2552

(401A x 8324) 551 ✓

43-44

634 ✓

120

408

8/19

8/26

9/20

45

B4117A63-9, 457 ✓ 2618

(401A x 8324) 554 ✓

46-46

637 ✓

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0

Seg 2

several
plants
seg 3-1

0

Seg 1

several
plants

0-1

0

R 1

1-1

0

R 2

1-2

0

Seg 1

few plants

1-1

M-D

only fair, short straw
but, less short, poorly
filled heads. disc

T-L

as tall as 8327, sl
irregular ht. quite heavy
one of heaviest yielding sub in group

M-D

short straw, few heads,
are also short.

V. dark green color

V. light yield, discard

T-M

Is as short as 8326, uni
ht. but more leafy.

V. good. more leafy + not as
productive as 127

T-D V. sturdy straw

as tall as 8327. Irregular
ht. quite heavy. Similar in
ht. to 126 + 128.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

275

211

407

116

372

13

263

1317 43.9 1976 ✓

335

211

457

117

370

12

280

1442 48.1 2163 ✓

256

211

305

118

268

16

239

1068 35.6 1602 ✓

380

211

490

119

360

9

326

1556 51.9 2334 ✓

416

211

491

120

375

6

375

1657 55.2 2486 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL	RIPE	

*cut. guard***121**

409

8/14

8/22

9/19

43

B40/A125

450 ✓ 150 V. uni

BR-41x8323

556 ✓

43-43

629 ✓

122

410

8/16

8/23

9/20

45

B40/A46

454 ✓ 28

BR-41x8323

552 ✓

47-44

627 ✓

123

411

8/14

8/22

9/19

43

disc

B42-2658, BR

452 ✓ 224

Sel.

550 ✓

44-42

632 ✓

124

412

8/21

8/28

9/22

46

B40/A3-18,

460 ✓ 149

BR-41x8323

549 ✓

45-47

633 ✓

*cut guard***125**

413

8/13

8/23

9/22

45

B40/A72

458 ✓ 222

BR-41x8323

560 ✓

45-45

631 ✓

adv

PLANTING

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0

R 2

1-2

0

Seg 2
1-3 plant

2-2

0

R 2

2-2

0

R 2

1-2

0

R 0

0

T-D

Intermediate ht, 8323
droop to panicle, 30 very
heavy girdling, rather leafy
V. good

VT-VD none taller than 13K.
Too tall, similar to
121 in other respects,
V. heavy girdling

~~Good for combining~~ Poor yield
flowers at all low down girdled

T-Mb. Has long peduncle.
Rather short straw fairly
leafy, resembles AL-5-30
in some respects. More
uniform ht & more grain

T-D

1 much like 122, more
uniform ht, possibly
heavier girdling.

T-D V. promising in all respects
similar to 124, but V. sl.
shorter and earlier. 20
V. uniform, shorter than 120,
126, 128, etc.

Produce, per acre

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

488	151	
589		121

410	3	
284		

1771	59.0	2656 ✓
------	------	--------

498	551	
475		122

340	8	
278		

1591	53.0	2386 ✓
------	------	--------

443	551	
447		123

294	11	
277		

1461	48.7	2192 ✓
------	------	--------

465	151	
550		124

364	4	
373		

1752	58.4	2628 ✓
------	------	--------

487	251	
543		125

506	2 ✓	
-----	-----	--

352		
1888	62.9	2832 ✓

DATES			PLANT HT. (IN.)
HEADING	FULL	RIPE	
1ST	FULL	RIPE	

126

414

8/17

8/26

9/20

46

adv

B4015A4-1, 455 ✓ 3035

(B2912A13 x BR-4) 545 ✓

638 ✓

46-46

127

415

8/15

8/23

9/21

44

B401A51-4, 462 ✓ 2874

BR-41 x 8323 559 ✓

640

44-44

128

416

8/13

8/21

9/19

46

B4015A6

456 ✓ 3039

(B2912A13 x BR-4) 558 ✓

625 ✓

45-47

129

417

8/14

8/22

9/15

40

✓ B3712A1-15-2-1-2, 501 ✓ 2982

K-H x BR 538 ✓

582 ✓

40-40

IERING

LOGG-
ING

DISEASES

H.O. Cerco- White
spora Tip

O M R 2

1-3

O sig O
few S
plants O-O

O R 1

0-1

O R 2

VT-D V. good
about same ht as 125⁺¹²² about
BK ht. V. clean green straw
when ripe, a much larger
panicle than K-BK parent

T-D Prob discard, see 3rd ^{series}
sh. shorter than BK (-lt), V.
uni ht, clean straw
V. heavy. V. good One of best
2nd very poor in 3rd many stalks
good in 4th

VT-M

Taller than 126, panicle
more like K-BK parent,
irregular ltr.

most ltr. were rejected
T-D short straw

Seg. maturity, many lates.
Uniform, hl. sturdy straw
ripens fast, appears
heavier than #109

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

484	251	126
543		
470	/	
415		

1912	63.7	2868	✓
------	------	------	---

465	TSI	127
418		
301	10	
350		

1534	51.1	2301	✓
------	------	------	---

457	252	128
477		
374	7	
310		

1618	53.9	2427	✓
------	------	------	---

avg test = 51.2 ✓

129
Mid-Med
C7

397	252	129
355		
363	4	
365		

1480	49.3	2220	✓
------	------	------	---

DATES			PLANT HT. (IN.)
HEADING	FULL		
	1ST	RIPE	

130

418

8/17 8/23 9/20 45

✓ B3712A1-7-3-2 502 ✓ 131

K-H x BR 532 ✓

45-45

CI-8326-2 586 ✓

131

419

8/18 8/27 9/22 46

✓ B3710A1-20-2-2, 507 ✓ 174

✓ K-H x BR 541 ✓

46-47

577 ✓

132

420

8/13 8/23 9/18 46

✓ AL-5-28, 512 ✓ V188

✓ I x BR 531 ✓

46-47

578 ✓

Crowley

133

421

8/22 8/29 9/24 47

✓ B3710A1-9-4-4, 497 ✓ 125

K-H x BR 544 ✓

48-47

583 ✓

134

422

8/22 8/30 9/22 47

disc B3512A38-25-3, 498 ✓ 209

SP-SJ x SBR 537 ✓

47-47

592 ✓

NUMBER

LODGING

DISEASES

H.O.

Cerco-
spora

White
Tip

0

R

1

0

R

2

1-2

0

R

0

0

R

1

0-2

0

R

2

1-2

MT-M much heavier than SBR

Is much taller than 129,
and 8326-1, irregular
ht, good grain yield.

Is as tall as BR + SBR

MT-M ^{similar ht to 132}
heavier, sturdier straw
Prob. taller than BR

Irregular ht, v. productive but
too tall, hardly as tall as
Brun del (144)

M-D

clean straw, prob. taller
than Ah-5-30, similar in
other respects, quite good

T-M

quite tall, late, good
heavy straw, irregular
ht some sterile heads
Prob. discard

VT-M

many sterile heads
v. poor, discard

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

429 081 130

327

398

5

252

1406 46.9 2109 ✓

490

151

391

131

389

2

370

1640 54.7 2460 ✓

388

511

348

132

360

6

309

1405 46.8 2108 ✓

438

081

290

133

352

7

319

1399 46.6 2098 ✓

348

081

220

134

271

15

179

1018 33.9 1527 ✓

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	

135

423

8/12

8/19

9/18

43

B3710A1-22-6-2, 504 ✓ 180

K-H x BR

533 ✓

44-43

580 ✓

136

424

8/20

8/27

9/22 44

S41-155,

503 ✓ 329

BR Sel

535 ✓

45-44

585 ✓

137

425

8/16

8/23

9/20

47

B3712A1-21-3-3, 509 ✓

K-H x BR

542

46-48

581 ✓

138

426

8/19

8/27

9/23

45

Supreme Blue 499 ✓ 335

Rose

TS-19802

529 ✓

46-44

CI-5793

584 ✓

139

427

8/20

8/27

9/22

46

S41-99,

506 ✓ 327

BR Sel.

543 ✓

46-46

587 ✓

ING

LODG-
ING

DISEASES

H.O. Cerco- White
spora Tip

0

R

1

0

S

2

0

R

1

0-1

0

S

2

1-2

0

S

1

0-1

T-M

fairly short straw, many
stubs & poorly filled heads
irregular ht, disc.

Fairly good in some series.

MT-M

quite good Bk type, not
as productive as 130(8326-2)
discarded

VT-D Some ht as 144, Brim.
long dark leaves. Vtiff straw
v. tall, heavy bold grain
irregular ht. Prob. very big
yield but too tall.

M-MD

Sl. shorter straw than 137
much lighter yield, rather
poor compared with most
seeds.

M-D

considerably better than SKR
similar ht, discard

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

380	8.1	
298		135
340	8	
360		
1378	45.9	2067 ✓
434	8.1	135
311		136
293	11	
270		
1308	43.6	1962 ✓
525	8.1	
457		137
430	1	
376		
1788	59.6	2682 ✓
381	8.1	
224	14	138
270		
243		
1118	37.3	1677 ✓
383	8.1	
332		139
348	9	
270		
1333	44.4	2000 ✓

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
	140	428	8/11	8/21	9/18	40
<i>disc</i>	B3710A1-6-1,	511 - 166				
	K-H x BR	539 ✓				41-40
		590 ✓				
	141	429	8/22	8/31	9/10	47
	B379A6	510 ✓ 210				
	K-H x SP-SJ	534 ✓				47-48
		588 ✓				
	142	430	8/11	8/20	9/13	45
<i>disc</i>	C4-127-8,	508 - V169				
	4440 x E-F	530 ✓				45-46
		591 ✓				
	143	431	8/25	8/3	7/27	46
<i>disc</i>	B3710A1-3-2-2,	500 ✓ 122				
	K-H x BR	536 ✓				48-44
		579 ✓				
<i>cut ground</i>	144	432	8/22	8/28	7/23	48
	B42-2693,	505 ✓ 144				
	Bruin missie	540 ✓				49-48
	Scl.	589 ✓				

1-10-1918

LODG-
ING

DISEASES

H.O. Cerco- White
spora Tip

0

R 1

1-1

0

R 1

0

R 0

0

R 2

1-3

0

R 2

1-2

MT-M

shorter straw than SBR,
v. little more grain, rather
loose, cry hell color.

discard

VT-ML. HO resistant type
v. large, quite tall may
possibly be reg., leafy,
upens very fast, many dead
lower when up, like 8325

M-D

many dead leaves, disc
light yield. discard

T-D

v. tall, late, very big
straw long bold grain.

Taller & much heavier yield
than SBR (138) disc

T-ML

as tall as 143, much
lighter leaf color, many
more heads.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

422

337

321

249

1329 44.3 1994 ✓

446

420

360

290

1516 50.5 2274 ✓

332

300

341

246

1219 40.6 1828 ✓

366

200

182

250

999 33.3 1498 ✓

437

288

283

243

1251 41.7 1876 ✓

av. of test = 45.0 ✓

140

10

141

3

142

12

143

16

144

12

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	

145

433

8/13

8/21

9/20

47

✓ B3512A38-6, 473 ✓ 112

SP-SJ x SBR 519 ✓

609 ✓

47-47

146

434

8/24

8/30

-

48

✓ *disc* B3710A1-9-2-1, 477 ✓ 5172

K-H x BR 513 ✓

615 ✓

48-48

147

435

8/12

8/18

9/13

44

✓ *cut, guard* B3715A6-5-4, 469 ✓ 212

(3512A x SBR) 517 ✓

624 ✓

44-44

148

436

8/9

8/18

9/10

37

✓ B344B41-2, 474 ✓ 242

CA x K 518 ✓

611 ✓

37-37

149

437

8/8

8/20

9/12

37

disc B344B39-6, 468 ✓ 268

CA x K 527 ✓

618 ✓

38-36

LODGING

DISEASES

H.O. Cerco- White
spora Tip

0 R 1

0-1

0 R 3

3-3

0 R 3

3-3

0 R 1

0-1

0 R 1

1-1

T-M

Tall, resembles L-34
except taller & heavier.
yielding.

T-M

quite tall, v. irregular
lit, poor buds, poor
grain, discol.

S-D Rolled leaf type

On $\frac{8}{2}$ leaves are beginning to
appear rather narrow
v. uniform appearance when
ripe. Ripening fast, rather
short panicle.

MT-D

v. uniform height. Hardly as
good as 153

v. similar to 153.

Ans of best.

148 + 153 appear identical.

MT-D

Taller & later than 148,
shorter more erect heads,
more anthers. disc.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

low like BK.

435

444

145

416

5

251

1546 51.5 2319 ✓

371

336

146

406

7

327

1440 48.0 2160 ✓

340

386

147

398

6

319

1443 48.1 2164 ✓

449

400

148

343

8

237

1429 47.6 2144 ✓

356

386

149

283

12

239

1264 42.1 1896 ✓

145
Mid-Med
"D"

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	

150

438

9/2 9/13

51

B343B41-9,

468 ✓ 232

MxK

523 ✓

51-57

621 ✓

151

439

8/15 8/22 9/19 40

Blue Rose Sel. 475 ✓ 162

(E. Pearl) type 526 ✓

41-39

610 ✓

152

440

8/12 8/18 9/15 45

B3512A38-5-3, 471 ✓ 155

SP-SJxSBR 516 ✓

45-46

614 ✓

153

441

8/9 8/17 9/10 39

B344B41-6, 476 ✓ 3924 Very uniform heading, etc.

CAxK

515 ✓

39-39

620 ✓

154

442

8/9 8/16 9/14 42

B3910-1,

470 ✓ 160

EP Sel.

514 ✓

43-41

622 ✓

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0

R

1

0-1

0

S

2

1-3

0

R

1

0-1

0

R

1

0-1

0

R

1

1-1

T-MD

very tall, very late
uniform, ht & mat,
good heads.

M-M Short

stream, uniform to
rather leafy, good
disc. many sturdy heads

T-M ^{about same ht as} 157, earlier

Taller than 151 much
heavier, shorter & earlier
than 145. Prob. better
than K-34

M-D

Is the best C₂ x K plot.
along with 148, v. uniform
heavy,

T-MD disc

clean stream, arboresc
type. Prob not as
heavy yielding as Arbo.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

383

328

282

303

1296 43.2 1944 ✓

365

304

240

206

1115 37.2 1672 ✓

399

491

518

345

1753 58.4 2630 ✓

544

411

430

290

1675 55.8 2512 ✓

374

325

295

244

1238 41.3 1857 ✓

150

151

152

153

154

*cut ground***155**

443

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	
8/14	8/20	9/16	47

B 3715A36-6, 478^v 217(3512A x SBR) 521^v

47-47

613^v Do 6 inches too short.**156**

444

8/20 8/27 9/23 40

disc

Lovell-40

480^v 266520^v

42-39

617^v Do too short (about 6 inches)**157**

445

8/13 8/19 9/19 46

S2912A34-2-8-9-6, 472^v 151

K x BR

522^v

45-47

616^v

Do too short (12 inches)

158

446

8/1 8/12 9/4 39

disc

B2914A36-3,

466^v 270

CA x BR

525^v

40-38

619^v**159**

447

8/3 8/14 9/10 40

disc

B344B39-8,

479^v 267

CA x K

524^v

41 39

612^v

LODG.
ING

DISEASES

H.O.

Cerco-
spora

White
Tip

0

R

3

3-2

0

M

1

0-2

0

R

1

1-1

0

M

1

1-1

0

R

1

1-2

S-D Rolled leaf type
many dead leaves on top
quite tall, taller than 147
probably heavier yielding
also, ripens fast. fur deep
later than 147. Best

S-M
quite short straw, many
sterile heads. prob.
discard

T-MD
V. uniform med. gr. type
about Bk. ht. rather heavy
V. good type, earlier
than Bk.

M-D
only few, tall + poor heads
than 153, etc.
disc

MT-D disc
Consid taller than 153, etc.
not as good. quite
heavy yielding

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU	lbs.

385 221 155

362

322

273

10

1342 44.7 2013 ✓

353

242

220

250

16

156

1065 35.5 1598 ✓

442

470

157

381

374

3

1667 55.6 2500 ✓

354

308

252

164

15

158

1078 35.9 1617 ✓

447

389

338

243

9

159

1417 47.2 2126 ✓

DATES			PLANT HT. (IN.)
HEADING		FULL	
1ST	FULL	RIPE	

160

448

465 ✓

S29/2A34-2-8-4-4, 153

Sel. (KxBR) 528 ✓

623 ✓

8/14 8/21 9/18 46

46-46

17⁺7⁻24 out 3 48
for discard (groups 8-9+10)

161

641

C6-I-6-3-3,

694 ✓

BRxBR-R

744 ✓

814 ✓

Crowley, h.2.

9/4 9/12 10/12 51

51-52

cut ground

162

642

B352A1-88-2-2, 699 ✓ 305

KxR

739 ✓

808 ✓

9/14 9/23 10/18 47

47-47

cut ground

163 ✓

643

B32/B40-3, RxD 700 ✓ 286

746 ✓

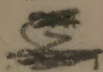
803 ✓

8/26 9/2 9/24 46

46-47

Very high yield in 43 short grain

LODG-
ING



DISEASES

H.O. Cerco- White
spora Tip

0

R. 1

0-1

1

0

R K

sl

R K

0

R 0

T-M

V. tall, V. heavy yielding.

V. much like 145.

Productive but too tall
dise.

MT-D. { Very tall, irregular
spreading, late quite hay.
straw hulls, smooth

T-M Short straw, V. late
V. uniform ht, hay, not too
leafy, leaning badly
when ripe but Willowey
like jap varieties, Very hay.

M-M Short hay straw
uniform ht V. hay & V. good
no. 60. on 10/3

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

446

081

513

160

369

4

326

1654 55.1 2481 ✓

avg test = 46.7 ✓

465

181

547

161

390

4

392

1794 59.8 2691 ✓

561

535

553

162

596

2

504

2214 73.8 3321 ✓

456

821

483

5

163

430

403

1772 59.1 2658 ✓

161
Late
unif
"A"

cut ground

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
	164	644	8/27	9/5	9/26	50
	Texas Patna	703 ✓ 295				
	Sel-B	742 ✓				49-51
	CI-8321-2	805 ✓				

cut ground

	165	645	8/30	9/8	9/30	46
	B352A1-49	695 ✓ 317				
	KxR	738 ✓				46-46
		809 ✓				

2 in 1943 had very short, stiff straw, high yield

	166	646	8/29	9/6	9/27	49
	C3-I-2-25,	691 ✓				
	BRxBR-R	740 ✓				48-50
		813 ✓				

Crowley 12 (43-5059)

	167	647	8/29	9/5	9/27	45
	C3-I-2-23,	698 ✓ 287				
	BRxBR-R	745 ✓				45-45
		811 ✓				

cut ground

	168	648	8/27	9/4	9/27	49
	Texas Patna	701 ✓ 280				
	Sel-A	749 ✓				48-51
	CI-8321-1	810 ✓				

ENTERING

LODG-
NG

DISEASES
H.O. Cerco- White
spora Tip

0

R-M 0

0

R

R

2

0.1m
C.O.

bitting, smooth

0

R

3

0

R

2

0

R-S 0

T-Mb Taller than 163
but very uniform & looks
very big. Some C.O. showing
on $\frac{10}{3}$

MS-D Very short straw,
wide leaves, uniform, ht. v. good
med. grain type, doesn't shatter
Very promising

MT-Mb / Rather short straw-
spreading / but does not appear
as long as other lines.
V. clean straw

MT-Mb. / Shorter straw & more
spreading / uniform ht than 163
but has many dead
lines at base, only few,

T-Mb about like Sel B.
very good. Both are earlier
than original T.P. and Sel C

YIELD DATA		
GMS. PER ROW	ACRE	YIELD
	BU	LES.

529

392✓

455

328

1704 56.8 2556✓

462

472

466

350

1750 58.3 2625✓

391

372

326

278

1367 45.6 2050✓

472

430

368

370

1640 54.7 2460✓

405

403

460

339

1607 53.6 2410✓

164

165

166

167

168

cut ground

		DATES			PLANT HT. (IN.)
		HEADING		FULL	
		1ST	FULL	RIPE	
169	649	8/28	9/5	9/30	49
B3313A1-20-4,	702✓				
Rx 7689	750✓				48 51
	802✓				

170	650	9/15	9/26	10/18	51
C322A8-30,	693✓				
RxF	748✓				50-52
	801✓				

cut ground

171	651	9/1	9/9	9/30	50
Texas Patna	696✓				
Sel.-C	752✓				48-52
CI-8221-3	815✓				

cut ground

172	652	9/2	9/13	10/6	51
Delrex,	689✓				
RxD	741✓				50-53
CI-8220	816✓				

173	653	9/12	9/20	10/15	46
C3-I-9-2-4,	704✓				
BRxBR-R	751✓				46-47
	807✓				

ERING
LODGE-
ING

DISEASES
H.O. Cerco- White
spora Tip

0 R R 0

0 R 0

0 R-T 0

0 R 0

0 R 3

VT- D about same mat as
T.P. & similar ht. Has much
larger penials. & a very long
crest. Long legs. Shows at head
as good as T.P. a few short C.O.
spots on 10/3
much storking

MT- M Is a big plot, good
heads, not much storking, but
is very late

T- M_h. about like other
T.P. plots, except sl. later

T- M_h quite big. a
few sterile heads present
Taller than T.P.

M - M | Short stork, very
spending | poor heads, v. late

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

480
551 169

502
450 3

1983 66.1 2974 ✓

377
474 170

476
392 7

1719 52.3 2578 ✓

382
433 171

481 9

371
1667 55.6 2500 ✓

356
491 172

384 13

308
1534 51.1 2301 ✓

281
340 173

364 16

270
1255 41.8 1882

DATES			PLANT HT. (IN.)
HEADING	FULL		
	1ST	RIPE	

*cut ground***174**

654

9/12 9/23 10/14 48-

Rexoro

697 283

TS-19941

743✓

46-50

CI-1779

812✓

175

655

9/4 9/12 10/4 45

CI-6001

692 278

45-46

737✓

804✓

176

656

8/28 9/4 10/10 47

C3-I-13-2-1, 690 288

BRxBR-R

747✓

46-49

golden glow

806✓

LODG-
ING

DISEASES
H.O. Cerco- White
spora Tip

0

R-M 0

spring
bad

R 0

0

R 3

M-M Not as tall as
T.P. probably lower yield.
Few C.O. spots showing on
10/5

VT-M
Badly lodged

M-M / Rather irregular to
spreading / many poor heads
only fair, not very heavy.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

317

447

428

382

1574 52.5 2361 ✓

475

609

706

563

2353 78.4 3530 ✓

307

477

372

337

1493 49.8 2240 ✓

avg test = 57.1 ✓

174

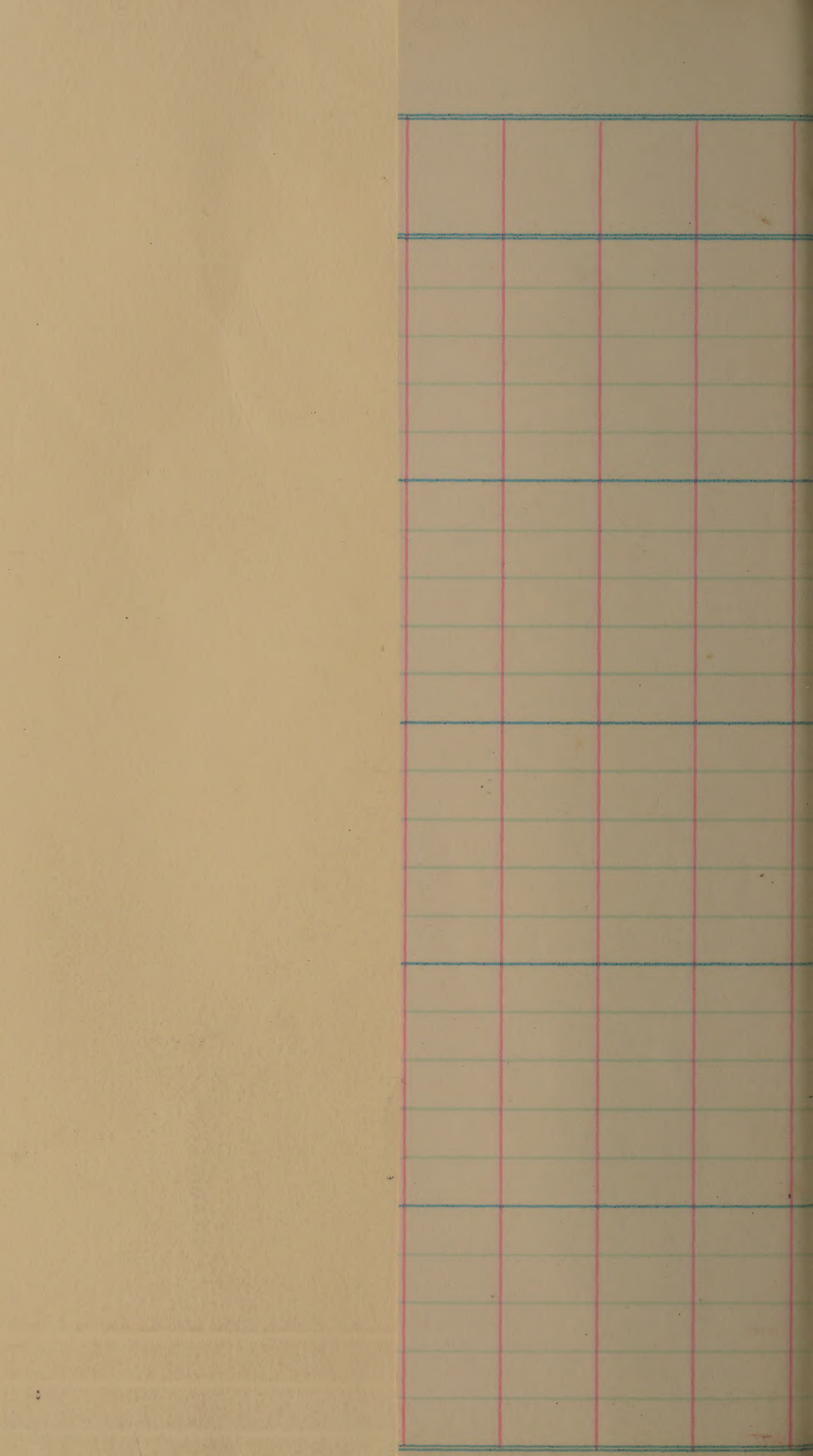
12 ✓

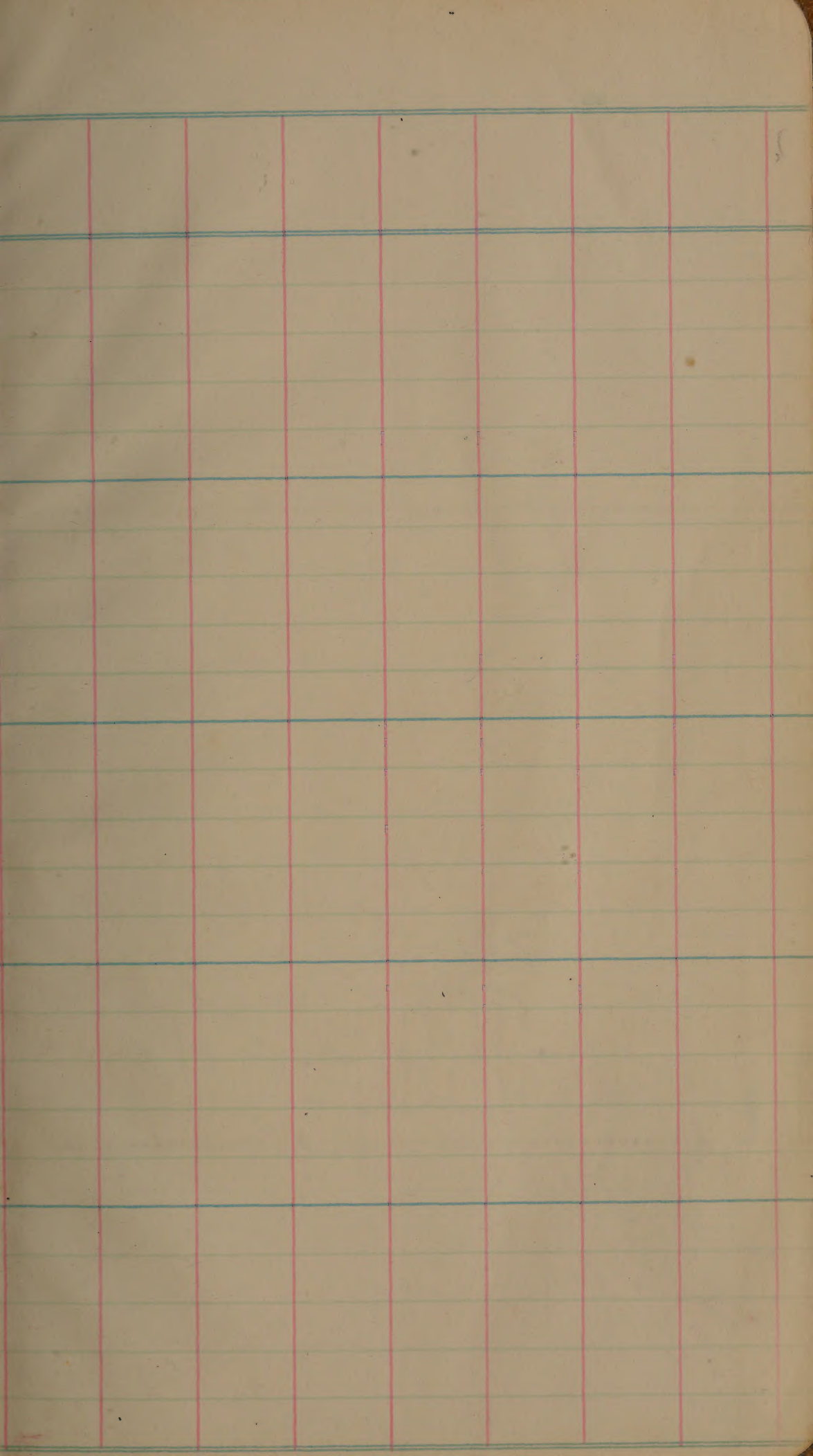
175

1

176

14





131 smooth hull

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Official Business

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BUREAU OF PLANT INDUSTRY

**Division of: ~~Cotton and Other~~
Fiber Crops and Diseases**

Cereal

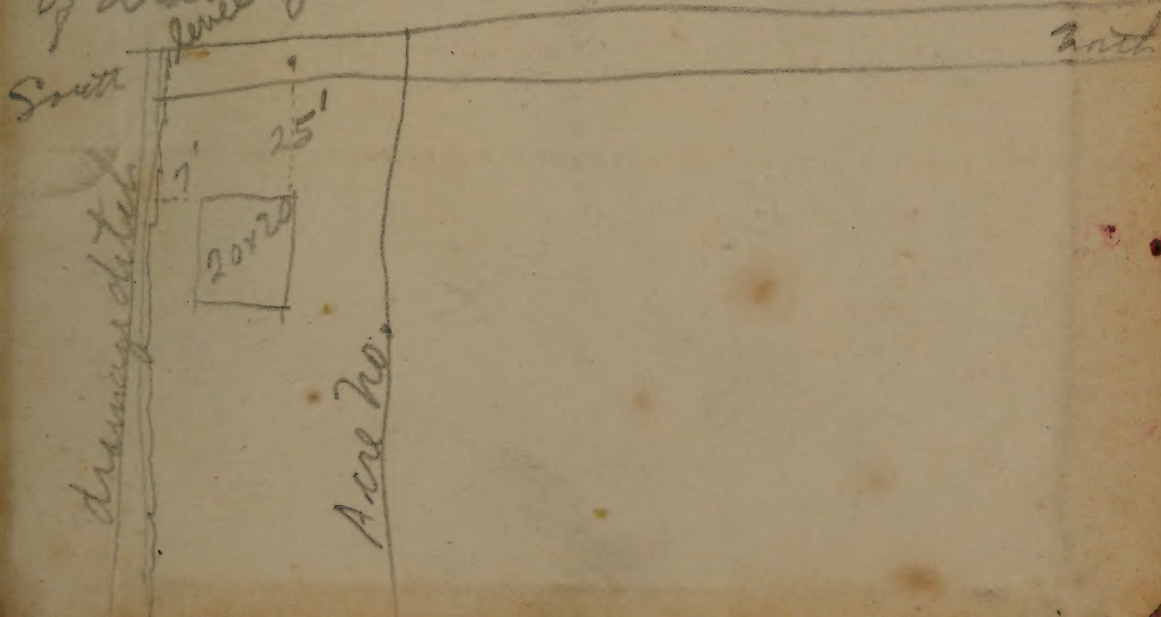
82 10/10/08

124 in 3rd series has
tetra-like plant with 2 seeds
present.

White Tip block

location of bon treatment
made in 1944 by Higginbottom

applied to an area 20x20
ft. 25 in south west corner
of acre. Northwest corner is
located 25 ft from center of
north-south road. Southwest
corner located 7 feet from center
of south line. (line on north side
of drainage ditch.



1944

RICE VARIETY
YIELD PLOTS

177 to 370

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

FIELD PLOTS
BULKED-HYBRIDS
UPLAND RICES
NURSERY :-

LATES "B" & "C"
GLUTINOUS VAR.
ALL SINGLES

Quard headed $\frac{7}{13}$
next to Bird's Lintel.

South Quard headed $\frac{7}{13}$

Damage Comm.

T. L. Hall

Easy street. 6598-W

11^{am} or after

265

267 make

make sel from

all TP x R selections

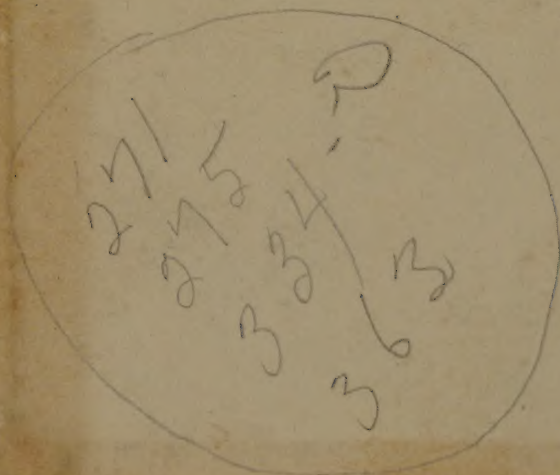
340

342

343, very good.

344

345, sel for long grain



SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF: ~~COTTON AND OTHER FIBER~~
CEREAL CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:

(a) Area in square feet	(b) Number of rows
(c) Length of rows	(d) Width of rows
6. Fertilizer:

(a) Pounds per acre	(a) Time of application
(b) Analysis (N-P-K)	(c) Side dressings
(d) Method of application	
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote * Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

177
late
"B"
12

193
late "C"
13

209
Glutinous
14

223
Single
Early

259
Single
Mid-Long

283
Single
Mid-Med.

331
Single
Lates

Field Plot
Early
401

Midg.
408

Lates
421

501
Bulk-Hyb.
Population

2

Day

26

26

2
3
2000
3

177
late
"B"
12

193
late "C"
13

209
Glutinous
14

223
Single
Early

259
Single
Mid-Long
16

283
Single
Mid-Med.
17

331
Single
Lates
18

Field Plot
Early
401

Midg.
408

Lates
421

501
Bulk-Hyb.
Population

		D A T E S			PLANT HT. (IN.)
		HEADING		FULL	
		1ST	FULL	RIPE	
177	657	9/5	9/16	10/9	47
B352A1-21-1-1,	731 ✓ 308				
K x R	756 ✓				46-49
	788 ✓				
	quite high			yielding in 1943.	
178	658	8/28	9/6	9/27	48
B4035A1-4,	733 ✓ 3630				
TP x R	755 ✓				46-50
	796 ✓				
rev 179	659	8/27	9/5	9/29	44
CE-I-25-12	729 ✓ V261				
BR x (BR-R)	758 ✓				45-42
	790 ✓				
	Cronley, wa				
180	660	8/29	9/8	9/28	48
B4035A2-2,	726 ✓ 3639				
TP x R	766 ✓				46-51
	792 ✓				
181	661	8/29	9/8	9/29	49
B4035A1-5,	735 ✓ 3631				
TP x R	757 ✓				47 51
	797 ✓				

TEPPING

LODG-
NG

DISEASES

H.O. Cerco- White
 spora Tip

0		R	1
---	--	---	---

0		R-S	0
---	--	-----	---

0		R	2
---	--	---	---

0		R-S	0
---	--	-----	---

0		R-S	0
---	--	-----	---

MT-VD

Semi-rolled leaf v. upright growth
Many poor panicles, irregular
ht. prob. discard.

M-M

about like T.P., except more
irregular in ht. a few C.O.
spots on 10/3

VT-D

spreading / about like other
BP lookances
more uniform ht. parent
a little better for yield.

MT-M

Similar to other
like, few C.O. spots
on 10/3

MT-M

Like other
few C.O. spots on 10/3

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

177
late
"B"
72

308

291

177

429

15

375

1403 46.8 2104✓

318

465

178

463

394

8

1640 54.7 2460✓

266

266

179

263

16

394

1189 39.6 1784✓

355

372

180

532

419

7

1678 55.9 2517✓

340

535

181

532

429

2

1836 61.2 2754✓

ITERING

LODG-
ING

DISEASES

H.O.

Cercos-
poraWhite
Tip

O

R

th

O

R-M O

O

R

O

O

R-T O

O

R-M O

MT-M Short straw, Very
clean straw, possibly more
gain than most BK lookers
from Crowley.

MT M about like TP & R
sel. Few C.O. spots on 10/5

M-M Shorter, heavier
straw than T.P. good
seg. grain length, some
selections from. Prob must
promising sel in test for stiff straw

M-M Short straw like
184, better grain type, some
bad for C.O. on 10/5, maybe seg
about same hit as 188

VF-MD Very short straw,
considerable sticking, some
C.O. on 10/5 quite heavy.
grain must be short, V. short
even on many plants

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU	LBS.

312		
416		182
473	6	
484		
1685	56.2	2528 ✓
301		
357		183
448		
439	11	
1545	51.5	2318 ✓
291		
412		184
434		
375	12	
1512	50.4	2268 ✓
322		
440		185
492	5	
460		
1714	57.1	2571 ✓
321		
495		186
492	4	
409		
1717	57.2	2576 ✓

	D A T E S			PLANT HT. (IN.)
	HEADING		FULL	
	1ST	FULL	RIPE	
187	667	9/2	9/2	10/2 47
B4035A2-28,	728 ✓	3667		
TPxR	767 ✓			45-50
	793 ✓			
<i>cut ground</i> 188	668	8/24	9/8	9/30 46
B4031A1-7,	722 ✓	3434		
TPx323AS-83	753 ✓			43-49
<i>8 sep in B-2961 +</i>	786 ✓			
189	669	9/6	9/17	10/8 48
B322B39-5,	721 ✓	348		
RxF	768 ✓			47-49
	789 ✓			
<i>cut ground</i> 190	670	8/17	8/27	9/18 39
B352A1-21-1-2-1,	723 ✓	314		
KxR	761 ✓			39-39
	800 ✓			
<i>Early in 1943, upstream type, narrow</i> <i>cut ground</i> 191	671	9/5	9/15	10/6 47
B352A1-59,	734 ✓	318		
KxR	760 ✓			45-49
	794 ✓			

quite high yielding in 1943

ing

DISEASES

LODGING

H.O.

Cerco-
spora

White
Tip

0	R-M	0
---	-----	---

0	R-T	0
---	-----	---

0	R-M	0
---	-----	---

0	R	0
---	---	---

are. are of very highest for field

0	R	0
---	---	---

T-M Rather tall
irregular ht, few
C.O. spots on $\frac{1}{5}$

VT-M ^{much} shorter straw
than T.P. Rather
irregular ht. few C.O.
spots on $\frac{1}{5}$ almost as
short strawed as 186

S-M, Very straw, long
heads, rough hulls,
Hardly as tall as T.P.
less striding.

T-VD

semi rolled, very upright
Belongs in BR group
Short straw, uniform, good

T-M. Sl. taller than
most K x R sds. but shorter
than T.P. rough gold hulls
Uniform, good.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

307		
414		187
490	9	
<u>425</u>		
1636	54.5	2454 ✓

367		
507		188
494		
<u>543</u>	1	
1911	63.7	2866 ✓

319		
323		189
340		
473	14	
<u>1455</u>	48.5	2182 ✓

343		
350		190
354		
457	13	

1504	50.1	2256 ✓
------	------	--------

316		
505		191
448	3	
<u>518</u>		
1787	59.6	2680 ✓

		D A T E S			PLANT HT. (IN.)
		HEADING		FULL RIPE	
		1ST	FULL		
192	672	9/11	9/26	10/9	46

B322B39-32, 727 ✓ 294

RxF 759 ✓

787 ✓

42-51

193	673	9/3	9/9	9/30	44
-----	-----	-----	-----	------	----

B322B39-13, 717 ✓ 301

discontinued R x SBR 771 ✓

822 ✓

43-45

194	674	9/18	9/25	9/24	38
-----	-----	------	------	------	----

CI-5548 720 ✓ 824

TS-19956 774 ✓

817 ✓

38-38

195	675	8/27	9/8	9/30	49
-----	-----	------	-----	------	----

B357A1-32-1-6, 711 ✓ 323

SPx7143 778 ✓

818 ✓

49-50

ING

LODG-
ING

DISEASES

H.O.

Cercospora

White
Tip

0

R

0

0

R

4

0

R

0

0

R

0

M-M Very late, only four
prob. discard.

T-M Poor heads, low
yld. Very clean long stem

M-M Very clean, very
good. Short stem, green
when ripe, v. narrow
leaves.

VVT-L, Very leafy quite
tall, many dead leaves
poor grain yield

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

280

380

490

416

1566 52.2 2349 ✓

avg of test = 53.7 ✓

193

Late "C"
13

192

10

280

350

341

331

1302 43.4 1953 ✓

332

420

407

458

1617 53.9 2426 ✓

325

359

398

412

1494 49.8 2241 ✓

193

14

194

6

195

11

		D A T E S			PLANT HT. (IN.)
		HEADING	FULL	RIPE	
		1ST	FULL		
196	676	9/5	9/16	10/8	47
C 3-23	718 [✓] V256				
7/8 Rexoro	769 [✓]				47-47
	820 [✓]				
	Crowley, ka.				
197	677	8/28	9/7	9/26	48
B3313A1-4,	710 [✓] 299				
Rx7689	781 [✓]				49-47
	819 [✓]				
198	678	9/5	9/16	10/7	46
B355A2-36	708 [✓] 302				
E-Fx 7143	776 [✓]				47-46
	829 [✓]				
199	679	9/20	9/29	10/20	48
C1-13	719 [✓] V305				
7/8 Rexoro	772 [✓]				48-49
	824 [✓]				
	Crowley, ka.				
200	680	8/27		9/30	41
B3313A B39-9,	706 [✓] 312				
Rx7689	773 [✓]				42-40
	830 [✓]				

TERING

LODG
ING

DISEASES

H.O.

Cerco-
spora

White
Tip

0

R

h

0

R

0

0

R

0

0

R-T

0

0

R-T

0

VT-M v. clean vegetation
about T.P. ht. good stem,
late almost a R. row.
except for crown + poor grain
shape

VT-D quite tall
many dead leaves at base
few sterile heads.

T-D

very clean for H.O., uniform
quite leafy fair yield

T-M, Tall irregular
ht, very late.

VT-M

v. bad for phy. Br.
discard,

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BBU	LBS.

321

374

196

391

10

307

1393 46.4 2090 ✓

365

415

197

483

10

256

1519 50.6 2278 ✓

369

520

198

355

3

460

1704 56.8 2556 ✓

276

261

199

282

15

346

1165 38.8 1748 ✓

217

215

200

258

16

319

1009 33.6 1514 ✓

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
201	681		9/4	9/13	10/6	47
C3-22	713 ✓ V273					
7/8 Rexoro	779 ✓					46-48
	831 ✓					
<i>at ground</i> 202	682		8/27	9/9	9/29	45
C3-72-3,	714 ✓ V246					
R x P. hf.	780 ✓					44-46
	827 ✓					
203	683		9/7	9/18	10/9	46
C3-22	707 ✓ V302					
7/8 Rexoro	782 ✓					46-47
	825 ✓					
204	684		9/5	9/13	10/4	44
B352A1-21-1-1-H,	716 ✓ 313					
K x R	777 ✓					45-44
	821 ✓					
205	685		8/29	9/4	9/30	46
C381B42-2,	709 ✓ 3170					
BR x Z	784 ✓					45-48
	823 ✓					

ITERING

LODGING

DISEASES
H.O. Cerco- White
spora Tip

O R-M O

O P O

O R-T O

O *Hulls very early
when threshed
Important P* O

O bad M O

T-MD medium let,
fairly heavy, few C.O. spots
on $1\frac{1}{2}$ almost a Rexro,

T-M Very heavy straw, quite
productive, a rather full
grain, sl. shorter than T.P. or R.
not as tall as T.P.

T-M, good straw, too
late, almost a Rexro

T-VD

Semi-rolled leaf, very upright
short straw, v. uniform let.
clean straw, rough hulls, narrow
leaves

VT-M, very bad for H.O.,
very leafy, med. let.
heavy straw. many dead
leaves.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

335

402

201

477

528

2

1742 58.1 2613✓

392

341

202

465

499

4

1697 56.6 2546✓

359

402

203

417

417

7

1595 53.2 2392✓

408

441

204

375

371

8

1595 53.2 2392✓

306

288

205

401

309

12

1304 42.5 1956✓

		D A T E S		PLANT HT. (IN.)
		HEADING 1ST FULL	FULL RIPE	
206	686	8/30	9/10	10/4 53
C4-II-6-12-3	712 ✓ 7249			
Rx BR-R	783 ✓			53-53
	826 ✓			
207	687	9/5	9/14	10/6 49
B347B39-28,	715 ✓ 311			
RxN	770 ✓			50-48
	832 ✓			
208	688	9/30	9/8	10/6 50
B42-2685,	705 ✓ 228			
Wilfert BR	775 ✓			51-49
	828 ✓			

TERING

LODG-
ING

DISEASES

H.C.

Cerco-
spora

White
Tip

0

R-S

0

0

R-M

0

0

R

✓

T-MD Very tall, long
heads, clean straw, not
many leaves, flag leaf droops
Too tall, but very heavy

T-M Shorter straw than
206, looks as heavy, flag
leaves droop also. very good
^{much} better than Bexar. prob.
better straw than T.P. prob. no till

VT MD, Irregular but,
rather tall many
dead leaves at base.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

278

477

206

547

1

479

1781 59.4 2672 ✓

377

389

207

348

9

481

1595 53.2 2392 ✓

410

364

208

444

5

419

1637 54.6 2456 ✓

av. of test = 50.3 ✓

			D A T E S			P L A N T H T. (IN.)
			1ST	FULL	RIPE	
209	981		8/10	8/21	9/6	43
C4-52-1,	995	263				
Dx654	1017					42-45
	1036					
210	982		8/16	8/30	9/14	48
C41-1188	1006	264				
654X Ah-11-1	1020					46 50
	1027					
211	983		8/12	8/22	9/10	48
CI-654	1003					
	1012					46 50
	1035					
	Crowley, Ia.					
212	984		7/24	8/1	8/18	47
CI-5309	1000					
	1021					48-47
	1026					
	Stuttgart, Ark.					
213	985		8/16	8/23		37
CI-5399	999	254				
	1009					39-36
	1030					

TERING

LOGG-
ING

DISEASES

H.O.

Cerco- White
spora Tip

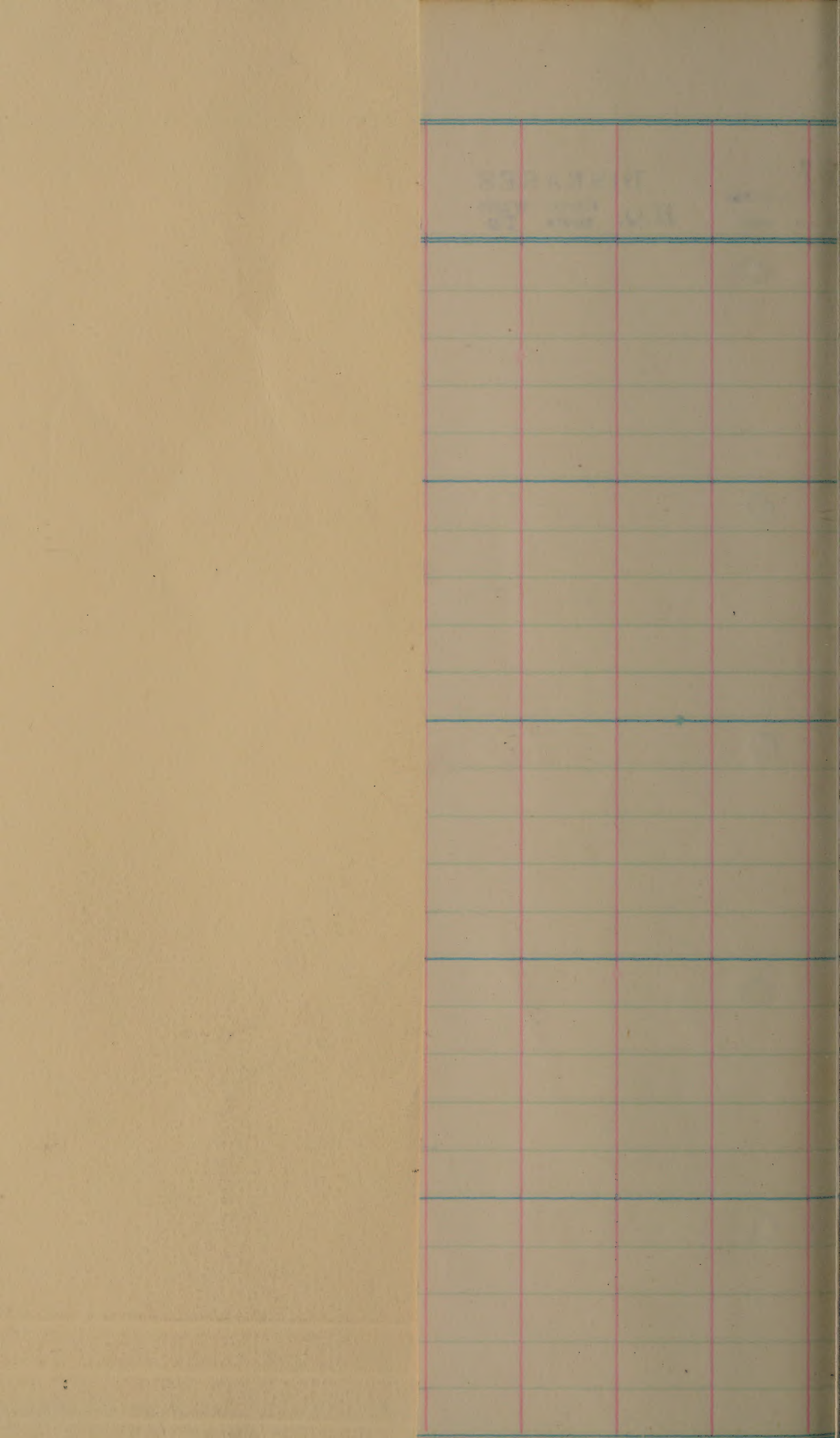
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YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

150

199

172

182

14

209

209
Glutinous

703 23.4 1054✓

206

306

304

254

13

210

1070 35.7 1605✓

260

363

396

346

7

211

1365 45.5 2048✓

296

312

346

317

10

212

1271 42.4 1906✓

309

390

364

393

5

213

1456 48.5 2184✓

			DATES			PLANT HT. (IN.)
			HEADING	1ST FULL	FULL	
					RIPE	
214	986	8/1	8/10	8/24	42	
CI-3625a	1008 252					
	1014					41-44
	1028					
215	987	8/14	8/22		42	
CI-5398	1005 253					
	1022					43-41
	1025					
216	988	7/25	8/3	8/21	49	
CN-841	998 258					
CI-7132	1013					50-49
	1033					
217	989	7/14	7/23	8/18	37	
Asahi (glut.)	997 257					
CI-6637	1011	7/14				37-37
	1024	7/14				
218	990	7/29	8/8	8/31	36	
Bozu	1007 256					
CI-6743	1010					32-40
	1034					

ITERING

LODG-
ING

DISEASES

H.O. Cerco- White
spora Tip

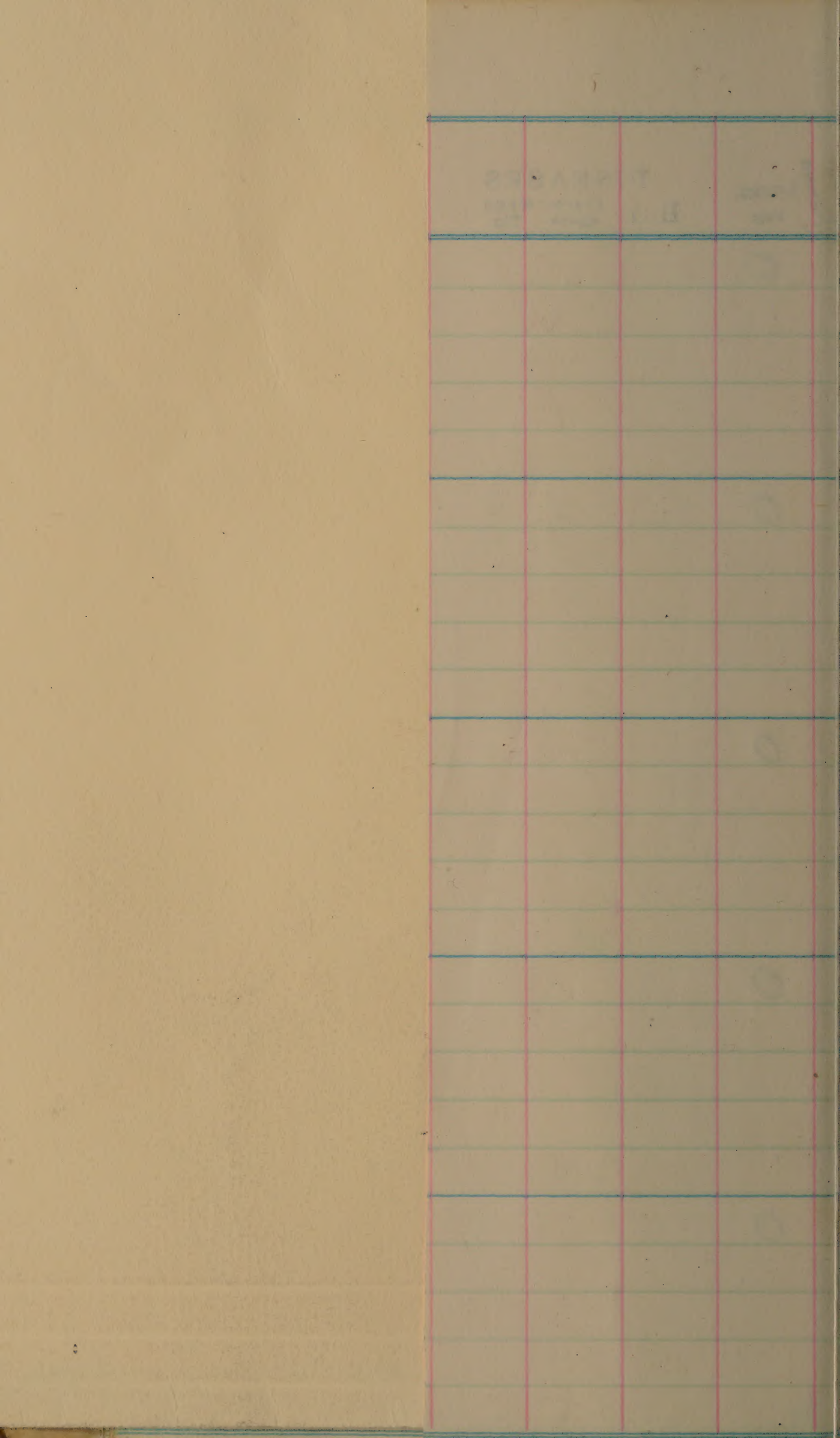
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YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU	LBS.

367
359 214

409
350 4

1485 49.5 2228 ✓

287
396 215

404
350 6

1437 47.9 2156 ✓

314
398 216

398
377 3

1487 49.6 2230 ✓

284 217

339 12

2.00 X 623 41.5 1869 ✓

332 ✓
353 218

339
313 9

1387 44.6 2006 ✓

			D A T E S			PLANT HT. (IN.)
			HEADING	FULL	RIPE	
147	219	991	7/22	7/31	8/22	39

Myogohara Mochi 255

CI-6646 1018

1023

41-39

148	220	992	7/22	8/8	8/28	34
-----	-----	-----	------	-----	------	----

Mochi Gome 1002 259

1015

1031

36-33

149	221	993	7/25	8/5	8/23	38
-----	-----	-----	------	-----	------	----

Zenith 996 262

CI-7787 1016

1029

37-39

150	222	994	7/30	8/9	9/1	39
-----	-----	-----	------	-----	-----	----

Caloro 1001 260

TS- 1019

CI-1561-1 1032

41-38

TERING

LODG-
ING .

DISEASES
H.O. Cerco- White
spora Tip

0

0

0

0

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

280

347

219

352

8

380

1359 45.3 2038 ✓

245

342

220

311

11

341

1239 41.3 1858 ✓

334

395

221

462

2

397

1588 52.9 2382 ✓

391

378

222

430

1

457

1656 55.2 2484 ✓

av. g. test = 44.5 ✓

833-868

		DATES			PLANT HT. (IN.)
		HEADING	FULL	RIPE	
		1ST	FULL		
223	B41-S-72, EP 23	7/25	8/3	8/27	44
224	B41-2462, EP 18	8/1	8/9	8/28	43
225	Zenith 1	7/29	8/4	8/24	40
226	B43-2354, Zenith Sel. 2354	8/1	8/10	8/30	43
227	B39-4312, 4011 x BR 422	8/1	8/9		47
228	B4031A1-3, TP x 323A5-8 3430	8/1	8/15		36
229	B43-2097, Mammoth long Sel 2097	7/31	8/8	8/24	43
230	Edith cut ground 42	7/29	8/8	8/27	42
231	B43-2098, Edith Sel cut ground	2098 8/1	8/10	8/25	44
232	B2913A29 Sel dis Cox BR	37 7/25	8/2	8/28	40
			many later		

TESTING	LODG- ING	DISEASES			Phys. Dev.
		H.O.	Cerco- spora	White Tip	
	0		R		0
	0				tu
	0		M		++
	0		S		tu
	0		R		tu
	0		R		tu
	0		R		tu
	0		S		0
	0		R		+
	0		S		0

7/3/44

122	122
-----	-----

M - M

Rather willowy straw not leafy, good heads.

VT - L, rather leafy, many heads, rather short, taller than Z.

MT - M

MT - MD

Taller + prob. more prod. than Z. v. good Hay stems

M - D

Too tall; not as good as 22607

VS - D, v. short straw, seg mat.

T - L

about like Edith

T - M

T - L Very good, sl taller than Edith, long, leafy. Clean vegetation

M - D many leaves, good in other respects.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

340 45.3 2040 ✓

383 51.1 2298 ✓

-394 52.5 2364 ✓

223

Single
Early259
Single
Mid-Long

387 51.6 2322 ✓

283
Single
Mid-Med.

309 41.2 1854 ✓

331
Single
Lates

305 40.7 1830 ✓

Field Plot
Early
401

299 39.9 1794 ✓

Midg.
408Lates
421

327 43.6 1962 ✓

501
Bulk-Hyb.
Population

365 48.7 2190 ✓

354 47.2 2124 ✓

DATES		PLANT HT. (IN.)
HEADING	FULL	
1ST FULL	RIPE	

cut 233 B40/A 29, 2136 7/25 8/2 8/31 40
BR-41 x 8323 v. uni heading v. good one of many

234 B40/A 31, 2138 7/25 8/2 8/30 41
BR-41 x 8323 v. uni heading straw-hull color
excellent, taller than most 233-234

235 B40/A 49, 2155 7/28 8/4 8/30 41
BR-41 x 8323 v. uni heading and plant ht.
creamy hull color, most attractive one

cut 236 B40/A 58, 2165 7/25 8/2 8/29 40
BR-41 x 8323 same as 233, except straw-hull

237 B41/7A 2-9, 2444 7/24 7/31 8/28 41
40/A x 8324 more leafy than 233-36

cut 238 B38/10A 17-1-2, 2681 7/22 7/30 8/27 40
(SxEP) x (CA x Co) v. uni. heading
very

cut 239 B41/7A 6-4, 2456 7/29 8/7 8/2 42
40/A x 8324 2nd very uniform hts met
line of very best 8323 type. slow, CO resist plants

240 B41/7A 5-4, 2451 8/1 8/9 44
40/A x 8324 very boy field. 8324 appeared

cut 241 B41/7A 10-4, 2479 7/28 8/6 43
40/A x 8324 many dead leaves but very boy, like

242 B41/7A 10-9, 2485 7/29 8/6 45
40/A x 8324 like 8324, sl taller

TERING	LODGE- ING	DISEASES			YIELD DATA			7/3/44
		H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.	
	0		R		0507	67.63042	MT-D	
		leaves, no off types,						
			many prob. seg		0		MT-D	
	0		seg		530	70.73180		
		235 are prob. best seeds from this cross						
	0		seg		0517	68.93102	M-D	
		similar to 233, but may be sl. taller and head dead						
		(similar to 3 prob. seg)						259 Single Mid-Long
	0		R		534	71.23204	M-M	283 Single Mid-Med.
		color						
	0		R		+520	69.33120	T-D	331 Single Lates
								Field Plot Early 401
	0	M	R		450	60.02700	VT-M	Midg. 408
		similar to #39, is very easily threshed						
	0		Seg		+449	59.92694	T-D	Lates 421
		more like BK-41, eff. seeds, better straw & very few dead leaves. Advance for June						
	0		seg		+512	68.33072	T-D	501 Bulk-Hyb. Population
		leafy but better seed than 324						
	0		R		0644	85.93864	T-D	
		324						
	0		S		554	72.93324	T-D	
		24	many S					

HEADING	DATES		PLANT HT. (IN.)
	1ST FULL	FULL	
		RIPE	

cut grand 243 B4117A16-1, 2506 7/24 8/5 8/30 43
401A x 8324 Excellent 8323 type creamy hull color

244 B4117A57-1, 2589 7/31 8/8 45
401A x 8324 Taller than 243, more like 8324

245 B4117A63-1, 2610 8/1 8/9 44
401A x 8324 Very heavy, v. good; 2a one

cut grand 246 B404A1-2-1, 2248 7/25 8/3 8/27 42
BR-41 x EP irregular ht

247 B404A1-18-1, 2254 7/25 8/4 8/27 42
BR-41 x EP uni ht.

248 B404A1-18-3, 2256 7/26 8/3 8/27 41
BR-41 x EP uni ht. Better looking than adj.

249 B404A1-18-5, 2257 7/25 8/3 8/27 41
BR-41 x EP ill. irreg. ht.

cut grand 250 B404A1-29-2, 2268 7/22 7/30 8/27 39
BR-41 x EP uni ht.

cut grand 251 B404A1-45-2, 2271 7/25 7/31 8/27 38
BR-41 x EP v. uniform, short straw

252 B404A1-45-3 2272 7/25 8/1 8/26 38
BR-41 x EP uni Taller than 251

TERING

LODGING

DISEASES

H.O. Cerco- White
spora Tip

YIELD DATA

GMS. ACRE YIELD
PER ROW BU. LBS.

O	R		to 523	69.7	3138	✓	MT-D	
varieties like 8324, cleaner straw than sister 8323, stiffer straw than 8324								adn
O	Seq		0 480	64.0	2880	✓	MT-D	
except stiffer than many S								
O	Seq		0 590	78.7	3540	✓	MT-D	
very best, a good deal like 243, appears heavier than RR 415 Ep also.								259 Single Mid-Long
O	M	R	0 540	72.0	3240	✓	T-D	283 Single Mid-Med.
O	M	Seq	0 510	68.0	3060	✓	T-D	331 Single Lates
seq many S								Field Plot Early 401
O	M	Seq	0 450	60.0	2700	✓	T-D	Midg. 408
seq several S								Lates 421
O	M	Seq	0 434	57.9	2604	✓	T-D	
seq several S								
O	R	R	0 482	64.3	2892	✓	T-M	501 Bulk-Hyb. Population
more like Ep on 1/2 than others								
O	R		+442	58.9	2652	✓	MS-D	
more uni like than 252								
O	R		to 413	55.1	2478	✓	MS-D	

			DATES			PLANT HT. (IN.)
			HEADING	FULL	RIPE	
253	B404A1-72-3, BR-41xEP	2278	7/25	7/31	8/25	39
			few-lates, s. irregular lit, many			
254	B404A1-32-4, BR-41xEP	2286	7/25	8/2	8/24	40
			v. uni. long.			
255	B404A1-51-2, BR-41xEP	2291	7/27	8/1	8/26	40
			uni. lit, small leaf/drying, v. more uni lit than 256			
256	B404A1-51-12, BR-41xEP	2297	7/24	8/4	8/26	40
			uni. lit, heavier straw than 255			
257	B404A24, BR-41xEP	2323	7/25	8/2	8/26	38
			v. uniform lit shorter straw			
258	B404A73, BR-41xEP	2350	7/25	7/31	8/26	39
			v. uniform lit, long, v. good			

PLANT TEPING	LODG- ING	DISEASES			YIELD DATA		
		H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU	LB.
0 regus			seg' manyS		0441	58.8	2646 MT-D ✓
0			R		Tu 430	57.3	2580 MT-D ✓
0 others			R		+ 500	66.7	3000 MT-M ✓
v. uniform let, Pan. turn over more than other side							259 Single Mid-Long
0	+		R		Tu 418	55.7	2508 MT-M ✓ 283 Single Mid-Med.
0	+		R		Tu 372	49.6	2232 MT-M ✓ 331 18 Single Lates
0	M		R		Tu 391	52.1	2346 MT-M ✓ Field Plot Early 401 Midg. 408 Lates 421 501 Bulk-Hyb. Population

HEADING	DATES		PLANT HT. (IN.)
	1ST FULL	FULL	
		RIPE	

869-892

~~259~~ B4025A1-17, 3270 8/15 8/27 44
 (33/3A1-16X33/3A1-4)
 2 rows in Br. N 2809

260 Next to 3290 ^{unknown} 8/31 9/11 48
 Belongs in late group possibly a TPx Rael

261 B4026A5-12, 3338 8/15 8/27 46
 33/3A1-16xR
 seg mat. some very stiff straw

262 B4026A5-23, 3350 8/14 8/27 46
 33/3A1-16xR
 Rather short heads.

263 B4033A4-24, 3386 8/13 8/26 46
 TPx33/3A1-16
 fair, irregular seg. mat. med. st.
 seg mat. has very stiff straw

264 B4026A5-31, 3358 8/12 8/24 9/12 43
 33/3A1-16xR
 rather short heads, fairly short

265 B4032A3-37, 3499 8/12 8/24 9/24 45
 TPx32/1A2-8
 quite promising types. short

266 B4031A1-1, 3428 8/1 8/24 9/14 41
 TPx323A5-8
 5 rows in Br. N 2686. Very short straw

267 B4033A4-47, 3410 8/15 8/25 9/14 (mostly) 46
 TPx33/3A1-16
 1 row in Br. N 2877 seg. maturity, very stiff

268 B347B42-11, 3770 8/19 8/28 9/19 54
 RxN
 Too tall, v. heavy, not as tall

PLANT VARIETY	DISEASES H.O. Cerco- White spora Tip	YIELD DATA		
		GMS. PER ROW	ACRE YIELD	
			BU	LBS.
1. O. ... R. 0		—		
disc. acc. seg mat				M-D
O. R. 0		338	45.1	2028 ✓
				M-M
2. O. types	R. 0	309	41.2	1854 ✓
				M-M
	R. 0	—		
				M-D
O. R. 0		403	53.7	2418 ✓
one very late				MS-M
	R. 0	302	40.3	1812 ✓
two longish. m. as stiff straw as 263				M-M
O. R. 0		299	39.9	1794 ✓
straw, stiff straw, m. as stiff straw, seg mat.				M-M
O. R. 0		360	48.0	2160 ✓
uniform ht				M-M
O. R. 0		321	42.8	1926 ✓
straw, fairly short straw. Pruning				M-M
O. R. 0		395	52.7	2370 ✓
as 269, straw hulls, shorter than min				M-M

			DATES			PLANT HT. (IN.)
			HEADING	FULL		
				1ST FULL	RIPE	

269	B347B42-9	3768	8/20	8/29	9/20	54
	RxN		gold hulls, very uniform, v good dent			
270	B3713A17-2,	3728	8/16	8/25	9/16	50
	SxR		fairly tall but much shorter than			
271	Purple Nira (Larson)	75	8/22	8/31	9/19	56
			appears to be quite typical			
272	Gold-Hull	3805	8/19	8/29	9/16	52
	Fortuna		appears to have Delia blood, poss- do not cut			
273	Anseline		8/16	8/29		50
	Rough-Gold		Too tall not as good as smooth plot.			
274	Anseline		8/13	8/25		49
	Smooth-Gold		Too tall, looks very much			
275	C2-121-13-20	V23	8/9	8/19	9/5	48
	Baker. Fortuna	Crowley	looks very much			
276	B3812A1-2-2,	2703	8/8	8/17	9/4	46
	(1645x5309) AL-11		DO. resistance way overripe on 9/20			
277	B346B41-2	3742	8/15	8/25	9/18	45
	SxN		more like #95 but short straw like Atlas			
278	B346B42-5, SxN	3748	8/17	8/25	9/18	45
			like Atlas, sl. shorter straw than 277 Prob much better than Atlas, acc. no sterility			

STAT
TERINGLODGE-
ING

DISEASES

H.O. Cerco- White
spora Tip

YIELD DATA

GMS.
PER
ROW

ACRE YIELD

BU.

LBS.

O R O 341(?) 45.5 2046 ✓

too tall. Tall, mid-late has much shorter heads
very much like B41-7? Very green clean strain T-M

O R O 379 50.5 2274 ✓

P x N sds, looks quite heavy VT-M

O R O — —

na, except possibly wider leaves, seed rough and smooth
MT-D

O R O 340 45.3 2040 ✓

wilder, rough. T-M 283
Single /
Mid-Med.

O R O 362 48.3 2172 ✓

M-D

331 18
Single
Lates

O R O 347 46.3 2082 ✓

like Bt but sl taller & later. a fair uniform plot. M-D

Midg.
408

O R O — —

like Fat, dries look & looks over like Fat. T-D

Lates
421

O R R O 337 44.9 2022 ✓

and flag leaves still completely green T-D

501
Bulk-Hyb.
Population

O R O 363 48.4 2178 ✓

very heavy looking VT-M

O R O 348 46.4 2088 ✓

more uniform ht. Atlaspanide type S-M

			DATES			PLANT HT. (IN.)
			HEADING	FULL	RIPE	
			1ST	FULL		
279	B3810A17-3-3, (SxEP)x(CAxCdy)	2685	8/9	8/18	9/18	41
			Poor, discard.			
280	B376A2-60-4, IBR-FxS	3645	8/15	8/22	9/17	46
			Very leafy; quite productive			
281	B376A2-72-4, IBR-FxS	3699	8/18	8/23		43
			much shorter straw than 280, lodged 95 90			
282	B376A2-8-2-1, R x SBR	240	8/10	8/20		44
			Short panicles, irregular ht 95			

26
2626
26
26

PLANTING	DISEASES			YIELD DATA		REMARKS	
	H.O.	Cercospora	White Tip	GMS. PER ROW	ACRE YIELD		
					BU		LBS.
0	R	0		391	52.1	2346	T-M
bad	R	0		377	50.3	2262	V.T.-M
dies back very fast, rough 95% lodged							
bad	R	0		395	52.7	2370	
v. uniform ht. dies back rapidly, rough M-M							
0	R	0		223	29.7	1338	283 Single / Mid-Med.
poor yield S-M							
331 18 Single Lates							
Field Plot Early 401							
Midg. 408							
Lates 421							
501 Bulk-Hyb. Population							

892-940

DATES			PLANT HT. (IN.)
HEADING	FULL		
1ST FULL	RIPE		

283 Calady Sol 274 8/9 8/19
(Gold-hull) *decided practically all
sterile.*

284 B42-2663, IBR 226 9/9 9/16 10/5
Too late, fairly tall, clean vegetation,

285 B343 B41-1, 244 8/12 8/22 9/17
N x K
quite short straw, poorly filled heads

286 B354 A1-13-5-2, 234 8/30 9/7
SBR x 7143 *short compact heads fairly tall*

287 B3726 B39-10-3, 2726 8/12 8/23 9/18
F(COX46) x C
*v. short straw short heads
appears very light yielding*

288 3C31-2-10, 132 8/26 9/2
S x BR-D
(Flavor) *v. uniform, clean green straw, not*

289 B3512 A2-41-2, 3906 8/18 8/29 parent in 1943
SP-SJ x SBR *Too tall, too much sterility
per grain type*

290 B3715 A12-1-1, 214 8/16 8/23 9/20
3512 A x SBR *short straw, green straw, promising*

291 B379 A6, 211 8/14 8/23
K-H x SP-SJ *v. uniform ht, like K-H parent*

292 B62-4-3, 203 8/16 8/23
~~(A18-1-5-1)~~
K x H Roque *quite heavy; short straw*

TERING LOGG- ING	DISEASES			YIELD DATA		
	H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU	LBS.
0		St	3	—	—	M-MD
0		R	2	337	44.9	2022 ✓ S-D
not very productive						
0		R	0	299	39.9	1794 ✓ T-MD
0		R	0	416	55.5	2496 ✓ VT-M
lodging badly, no value						
0		R	th	265	35.3	1590 ✓ MS-D
0		R	0	396	52.8	2376 ✓ M-D
too tall should be quite productive						
0		R	th	340	45.3	2040 ✓ M-D
clean straw, rolled-leaf type, fair						
0		R	2	378	50.4	2268 ✓ T-M
0		R	R	367	48.9	2202 ✓ T-M
v. good, short straw						
0		R	3	427	56.9	2562 ✓ MT-M
clean green straw						

283
Single /
Mid-Med

331 / 18
Single
Lates

Field Plot
Early
401

Midg.
408

Lates
421

501
Bulk-Hyb.
Population

DATES			PLANT HT. (IN.)
HEADING	FULL		
1ST FULL	RIPE		

293 B64-9-4, 205 8/17 9/26
~~(B64-1-5-4)~~
 KxH Roque *Superior to 292*

294 B64-10-1, 139 8/22 9/1
 KxH Roque *disc* *Very poor, some seg.*

disc 295 B64-12-2, 208 8/20 9/2 9/23
 KxH Roque *Very poor*

296 B3710A1-10, 168 8/11 8/20 9/17
 K-H x BR. *Short straw, quite productive*

297 B3710A1-22, 179 8/14 8/22 9/18
 K-H x BR. *sl. taller than 296, sl. more*

298 B3710A1-23, 181 8/18 8/26
 K-H x BR. *v. heavy but too tall much*

299 B3712A1-15-1-2-1, 2978 8/20 8/27 9/20
 K-H x BR *quite good, sl. taller than 297*

300 C2-21-27-1, V45 8/27 9/2
 S x BR *quite tall v. heavy. good straw*

301 B3712A1-15-1-1-1, 2976 8/17 8/23 9/15
 K-H x BR. *v. uni heading, v. short
 v. uniform but, many dead*

302 B3712A1-19, 189 8/17 8/24 9/19 *short*
 K-H x BR *medium to v. uniform, good straw*

TERING	LODGING	DISEASES			YIELD DATA		
		H.O.	Cerco-spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.
	O	R	3		367	48.9	2202 MT-D
	O	R	4		271	36.1	1626 MT-D
maturity, many short, poorly filled heads!							
	O	R	3		335	44.7	2010 MT-D
	O	Seg 2			468	62.4	2808 T-D
type							
	O	R	1		482	64.3	2892 T-D
productive in appearance							
	O	R	1		457	60.9	2742 T-D
taller than 297							
	O	Seg 1			467	62.3	2802 MT-D
not not as tall as 298, Heavy							
	O	R	1		466	62.1	2796 VT-M
	O	R	0		477	63.6	2862 MT-MD
heavy stems, fast ripening grain, green at base when ripe							
	O	R	1		411	54.8	2466 M-D
stays green. No. very late, No. very short stems							

331 18
Single
Lates

Field Plot
Early
401

Midg.
408

Lates
421

501
Bulk-Hyb.
Population

			DATES			PLANT HT. (IN.)
			HEADING	FULL	RIPE	
			1ST FULL			
303	B34A39-47-1, BRx5309	2818	8/21	8/27	9/21	
	v. clean straw about BR lit or sl taller sl irregular lit. v. good straw not as stiff as BR (Willowby)					
304	BA-3259, Bruin. Sel. (Rough)	141	8/23	8/30		
	Not any taller than BR if as tall v. wide					
305	B403, Bruin. Sel. (Smooth)	143	8/26	9/3		
	v. tall, stiff peduncle, considerable					
306	B43-2792, BR Sel. (Smooth)	2792	8/21	9/2		
	Not any taller than BR, like (2693)					
307	B43-2789, Bruin. Sel. (Rough)	2789	8/22	9/1		
	Similar to 304 but more					
308	B41-2693-1, Bruin. Sel. (Smooth)	2793	8/22	8/31		
	Like original sel (2693)					
309	Kamrose-47	113	8/5	8/13	9/6	
310	B4017A21, A.K. x BR-41	3063	8/9	8/16	9/13	
	about as tall as K-47, stiffer straw					
311	C4016A, K-47 x BR-41	2985	8/8	8/17	9/13	
	Too tall, <u>dec</u>					
312	C4016A, K-47 x BR-41	2988	8/13	8/21	9/18	
	Rather tall, but quite productive					

STERING	LOGG ING	DISEASES			YIELD DATA		
		H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LES
	0		T	1	436	58.1	2616 [✓] M-L
	0		R	3	310	41.3	1860 [✓] MT-MB
	seeds, fairly good. Rough fl. shorter than 306						
	0		R	0	408	54.4	2448 [✓] T-MB
	sterility, wide leaves. quite productive						
	0		R	1	367	48.9	2202 [✓] MT-M
	except, shorter stem, narrower leaves and all longer grain						
	0			0	455	60.7	2730 [✓] T-MB
	productive + taller, very much like 308						
	0		R	2	450	60.0	2700 [✓] T-L
	0		R	1	377	50.3	2262 [✓] VT-D
	Some common overripe						
	0		R	1	573	76.4	3438 [✓] VT-D
	Very good on 1/2, much heavier yielding						
	0		R	1	385	51.3	2310 [✓] VT-D
	0		R	1	577	76.9	3462 [✓] VT-M
	Cham stem, strong green						

331 18
Single
Lates

Field Plot
Early
401

Mids.
408

Lates
421

501
Bulk-Hyb.
Population

			DATES			PLANT HT. (IN.)
			HEADING	FULL	RIPE	
			1ST FULL			
313	B4016A13-1, K-47 x BR-41	3024	8/12	8/21	9/16	Rather short straw, leafy, quite
314	B4016A14-3, K-47 x BR-41	3028	8/13	8/23	9/16	Too tall but productive,
315	B401A117-1, BR-41 x 8323	2889	8/16	8/25	9/19	Tall but good heavy clean straw
316	B4117A39-1, 401A 8324	2554	8/18	8/25	9/19	Short straw uniform & good
317	B4117A55-5 401A x 8324	2588	8/19	8/27		Poor the seg. many
318	B4117A63-11, 401A x 8324	2621	8/20	8/27	9/	Short straw, v. green straw
319	B4117A35-4 401A x 8324	2538	8/19	8/27	9/21.	Very lt., too tall
320	B4117A6-5, 401A x 8324	2457	8/18	8/26	9/20	Irregular ht short straw
321	B404A1-42-5 BR-41 x EP	2903	8/19	8/26	8/19	poor appearing when heading looks quite good when ripe but inferior to 320 +
322	B4015A19-2, 2912A13 x BR-41	3048	8/17	8/22	9/15	Very good, short straw good

FEEDING	LODG- ING	DISEASES			YIELD DATA		
		H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU. LBS.	
	0		R	tr	466	62.1 2796	T-M
rod.							
	0		R	0	459	61.2 2754	T-M
	0		Seq	0	535	71.3 3210	T-D
highly productive			few S plants				
	0		Seq	+	495	66.0 2970	T-L
			few S plants				
	0		Seq		509	67.9 3054	T-M
slnd heads			many S plants	0 +			331 18 Single Lates
	0		R	3	436	58.1 2616	Field Plot Early 401
not too productive						MT-M	
	0		Seq	3	397	52.9 2382	Midg. 408
very good on 7/1			few S plants			VT-M	Lates 421
	0		R	3	466	62.1 2796	501 Bulk-Hyb. Population
very, quite good						M-D	
	0		R	tr	400	53.3 2400	T-M
22	0		R	tr	515	68.7 3090	T-M
heads							

DATES		PLANT HT. (IN.)
HEADING	FULL	
1ST FULL	RIPE	

323 B4015A29-2, 3055 9/17 8/22 9/19
2912A13x BR-41 Too tall, many sterile heads

324 B404A1-63, 2915 8/12 8/21 9/16
BR-41x EP only fair

325 B4015A14-1, 3043 8/18 8/23 9/16
2912A13x BR-41 Too tall, irregular ht, Hwy.

cut ground

326 B401A3-25, 2896 8/21 8/28 9/21
BR-41x 8323 Heavier than 327, more uniform, shot

327 B4117A1-H, 2434 8/23 8/31 9/22
401A x 8324 quite leafy, only fair

328 B376A2-7-2, 3681 8/21 9/1 9/21
IBR-FxS (Rough) Taller than 329, rougher, similar in other aspects, no erect panicle type

329 B376A2-7-2-2, 3682 8/21 9/1 9/20
IBR-FxS (Smooth) v. leafy, short stems, rather short heads, no shattering, v. good mixed gr

330 C5-162-16, Crowley V-180 8/9 8/21 9/8
Fx 461 v. much like 708, leafy, fast ripe grain too fast

FEEDING LODG- ING	DISEASES			YIELD DATA		
	H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.
0		R	0	479	63.9	2874 ✓ T-M
0		R	0	+399	53.2	2394 ✓ T-M
bad		R	0	571	76.1	3426 ✓ T-M
considerable leaf drying; lodges, discard						
0		R	0	+48.9	65.2	2934 ✓ M-D
than one of my best in this group						
0		R	1	+436	58.1	2616 ✓ MT-M
						331 18 Single Lates
0		R	1	427	56.9	2562 ✓ M-M
red flag leaf, dense stay green, quite promising						
0		R	1	+457	60.9	2742 ✓ MT-L
Similar to 328 but shorter stem & smooth						
0		R	0	196	26.1	1176 ✓ T-ML
Stands up much better than Fortuna when overripe, shorter stem.						

501
Bulk-Hyb.
Population

941-980

331 B352A11-2-3-2-1-1, 3876 8/21 8/31 9/20 48
KxR

Like 333 possibly not as tall
belonged in an earlier group

332 B352A11-2-3-1-2, 3872 8/18 8/22 9/16 46
KxR

quite short straw, poor stand

333 B352A11-2-3-2-4 3878 8/20 8/30 9/20 49
KxR

Too tall

334 B352A1-63-1, 3863 9/7 9/16 10/9 46
KxR

335 B353A2-14-1-2, 3881 8/28 9/4 9/28 44
Kx 7/43

336 Texas Patna Sel. 3848 8/28 9/5 7/27 47
(from SelA) quite short strawed early

337 B43-3783, TP-Home 3783 9/8 9/19 10/11
Looks like Revon on 8/29 Very short straw

338 B324B40-3, 3827 8/26 9/6 9/28 45
Rx 5094 not as good as TP

339 Texas Patna Sel. 3785 9/10 9/20 10/12 44
(Home) Looks like Revon on 8/29
possibly a little earlier

340 B4032A3-32, 3494 8/28 9/7 9/29 48
TPX 32/A 2-8 quite good, V. good straw prod

THRESHING LODGING	DISEASES			YIELD DATA		
	H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.
O	R	I		310	41.3	1860 ✓ T-D
clean vegetated, quite good, no shattering,						
V O	R	O		190	25.3	1140 ✓ VT-MD
Very early, Very easily hulled in threshing <u>Important</u>						
O	R	I		281	37.5	1686 ✓ VT-M
O	R	I		—	—	— M-MD
O	S	O		320	42.7	1920 ✓ 331 18 VVT-M Single Lates
O	R-S	O		324	42.2	1944 ✓ Field Plot Early 401 MT-MW
O	R-S	O		317	42.3	1902 ✓ Midg. 408 M-MW
O	R	O		284	37.9	1704 ✓ Lates 421 M-M
O	R-S	O		317	42.3	1902 ✓ 501 Bulk-Hyb. Population M-MD
more like Rexon						
O	R-M	O		286	38.1	1716 ✓ little than T.P. T-MW

		DATES			PLANT HT. (IN.)
		HEADING		FULL	
		1ST	FULL	RIPE	
341	B4030A3-20, (3313A1-4 x TP)	3314	8/28	9/10	9/29 57
			Excel reg. growth on 8/19, V.V. tall,		
342	B4030A3-28, (3313A1-4 x TP)	3322	8/28	9/6	9/27 51
			Rather short straw, some		
343	B4030A3-29, (3313A1-4 x TP)	3323	8/29	9/11	10/1 49
			many dead leaves on 8/19 and 10/5 quite short straw, should be very		
344	B4034A3-16, TP x 321A2-5	3570	8/26	9/4	9/28 49
			Some seg. forht. appears		
345	B4036A1-3, (321A2-5 x R)	3593	8/29	9/12	9/29 48
			one of shortest straw types grain most too short.		
346	B4035A1-10, TP x R	3636	8/28	9/6	9/29 52
347	B4035A2-4, TP x R	3642	8/28	9/6	9/29 53
			Taller than 346 on 8/19		
348	B4035A2-5, TP x R	3643	8/29	9/7	9/30 52
			Possibly better straw than		
349	B4035A2-8, TP x R	3646	9/1	9/12	10/1 52
			Shorter straw than 350 +		
350	B4035A2-9, TP x R	3647	9/1	9/7	10/1 54
			tall as adjacent. Deber plot almost as		

SHAP
TERING

DISEASES

H.O. Cerco- White
spora Tip

YIELD DATA

GMS. ACRE YIELD
PER BU. LBS.
ROW

O	R	O	353	47.1	2118	✓ VVT-M
at least as tall as 'ma' would be when ripe						
						wide leaves
						M - MD
O	R	O	361	48.1	2166	✓
eg. for let. clean strain						
O	R	O	372	49.6	2232	✓ VVT-O
tuff strained						
O	R-M	O	367	48.9	2202	✓ T-M
eg. not too tall, flag leaves droop, promising						
						good plant type
O	P-T	O	462	61.6	2772	✓ T-M
not looks too much like Delatus, (drop to panicle)						
O	R-T	O	428	57.1	2568	✓ T-M
O	R-S	O	492	65.6	2952	✓ T-M
O	R-T	O	531	70.8	3186	✓ T-M
must sel.						
O	R-T	O	485	64.7	2910	✓ T-M
possibly 348						
O	R	O	506	67.5	3036	✓ T-M

Field Plot
Early
401Midg.
408Lates
421501
Bulk-Hyb.
Population

			D A T E S		PLANT HT. (IN.)
			HEADING	FULL	
			1ST FULL	RIPE	
351	Texas Patra Sol-A		8/27	9/4	9/26 49
	earlier than any of the TPxR sele. much				
352	B4035A2-13, TPxR	3651	9/3	9/12	10/2 51
	shorter stemmed than 353 may be				
353	B4035A2-20, TPxR	3658	8/31	9/10	10/1 51
354	B4035A2-24, TPxR	3663	8/28	9/6	9/27 51
	V. good stem, much earlier than most, almost as Early as Sol A				
355	C4-II-4-1-11, RX BR-R	V352 Crowley	8/29	9/10	9/28 54
	about T.P. maturity, 1 stem full				
356	C1-6, 7/8 Rexoro	V360 Crowley	8/23	9/2	9/23 49
	Walden 1 stem full, shorter stem than				
357	C3-14, 7/8 Rexoro	V363 Crowley	8/18	9/2	9/26 51
	T allers later than C1-6,				
358	C4-II-6-12-2, RX BR-R		9/11	9/22	10/15 52
	Too late, taller than				
359	Rexoro	211	9/1	9/23	10/12 49
	all shorter than T.P.				
360	C312-25, BRx BR-R	V154 Crowley	8/27	9/5	9/30 47
	Rather poor BR type				

STAT TERING	LODGE- NG	DISEASES			YIELD DATA		
		H.O.	Cerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.
	0	R-T	0		454	60.5	2724 [✓] T-M
	0	R-M	0		512	68.3	3072 [✓] T-M L
	0	shorter than TP	sl-A				
	0	R-M	0		516	68.8	3096 [✓] T-M
	0	R-M	0		490	65.3	2940 [✓] T-M L
	0	more upright flag than TP					
	0	R	0		495	66.0	2970 [✓] VT-M D
	0	looks very good					
	0	R-M	0		341	45.5	2046 [✓] VT-D
	0	P. sl earlier, grain shape prob. not as good.					
	0	S	0		406	54.1	2436 [✓] VT-D
	0	R-S	0		431	57.5	2586 [✓] T-M
	0	Rever's flag					
	0	R-S	0		446	59.5	2676 [✓] MT-D
	0	R	4		360	48.0	2160 [✓] T-M

Field Plot
Early
401Mids.
408Lates
421501
Bulk-Hyb.
Population

			DATES		PLANT HT. (IN.)
			HEADING 1ST FULL	FULL RIPE	
361	B42-3032, RxD R094C	310	9/19	9/27	53
			many dead leaves on 8/19		
362	B3313A1-20, R x 7689	304	8/31	9/9	49
			Is earliest of 4 sub numbers,		
363	B3313A1-20 R x 7689	3789 3790	9/2	9/12	51
				10/2	
364	B3313A1-20 R x 7689	3793	8/31	9/7	49
				10/2	
365	B3313A1-20 R x 7689	3794	8/31	9/8	52
				10/2	
366	B352A1-27-1-1-2-1 K x R	3859	8/29	9/6	48
				9/27	
367	B4045A3, R-SBR x BR-41	5175	8/31	9/5	48
			v. uniform heading, resembles golden		
368	B399A1-1, SP-SJ x BR-41	4012	8/26	9/1	50
			Too tall, heads too high		
369	B3421A4-1-2, 3212 x BR	3946	8/20	-	45
			many dead leaves on 8/19		
			Poor discard, many sterile pan		
370	B323A2-14, R x SBR	291	8/25	9/2	43
			short stem long, stiff stem		

PLANTING	LODG- ING	DISEASES			YIELD DATA		
		H.O.	Oerco- spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.
	0		R	0	378	50.4	2268 T-M
	0	R	T	0	425	56.7	2550 VT-MD
	0	R	T	0	400	53.3	2400 T-MD
	0	R	T	0	426	56.8	2556 VT-MD
	0	R	I	0	420	56.0	2520 VT-MD
	0		R	0	467	62.3	2802 T-M
	0		R	0	363	48.4	2178 T-M
		low, more uniform, smooth.					
	0		R	0	311	41.5	1866 VT-MD
	0		R	0	337	44.9	2022 T-M
	0		R	0	476	63.5	2856 M-MD
		not too leafy, v. uniform but not.					

Field Plot
Early
401Midg.
408Lates
421501
Bulk-Hyb.
Population

Total yield 3 series x

77

Early field plots drained August 26

				DATES			PLANT HT. (IN.)
				HEADING		FULL	
				1ST	FULL	RIPE	
401	1 st			7/19	8/2	8/19	39
C2920A41-2-29	2 nd			7/20	8/2	8/19	38
IBRXF							
CI-8318	15 th			7/18	8/1	8/19	39 7/8
				7/19		8/19	39
402	2 nd			7/16	7/29	8/23	39
Early Prolific	11 th	3		7/16	7/29	8/23	40
TS-19801	21 st			7/16	7/29	8/23	40 7/8
CI-5883							
				7/16		8/23	40
403	3 rd			7/15	7/25	8/18	37
Zenith	8 th	1		7/15	7/25	8/18	36
CI-7787	18 th			7/16	7/25	8/18	37 7/8
				7/15		8/18	37
404	4 th			7/10	7/22	8/18	32
B2913A29-1-1,	14 th	4		7/9	7/21	8/18	34
Cox BR	17 th			7/9	7/22	8/19	33 7/8
CI-8323							
				7/9		8/18	33
405	5 th			7/21	8/3	8/28	43
Prelude	13 th	10		7/22	8/4	8/28	42
CI-8311	20 th			7/22	8/3	8/28	42 7/8
				7/22		8/28	42

28.67 = lbs. per A.

Note 1/86 Acre.

ITERING	LODGING	DISEASES			YI
		H.O.	Cerco- spora	White Tip	GMS. PER ROW
					22.0
					21.5
					<u>24.0</u>
	O		R	O	67.5
			S		25.0
					21.5
					<u>26.5</u>
	O		S		73.0
			M		21.5
					22.0
					<u>25.3</u>
	O		M		68.8
			S		21.3
					22.8
					<u>24.5</u>
	O		S		68.6
			M		23.5
					22.8
					<u>27.3</u>
	O		M		73.6

ELD DATA	
ACRE YIELD	
BU.	LBS.

7

43.0 1935

4

46.5 2093

5

 Field Plot
 Early
 401

43.8 1972

6

43.7 1967

2

46.9 2110

			DATES			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
406	6✓	Bulk of Rows from Breeding Nursery	7/20	8/1	8/20	40
B41-3299,	10✓		7/20	8/1	8/20	40
BR Sel.	16✓		7/20	8/1	8/20	40 9/16
			7/20	-	8/20	40
407	7✓	Bulk of Rows from Breeding Nursery	7/14	7/27	8/23	39
B404A (Bulk)	12✓		12/7/14	7/27	8/23	38
BR-41 x EP	19✓		19/7/14	7/27	8/23	39 9/16
			7/14		8/23	39

408

YIELD	DISEASES	YIELD	
		GMS. PER ROW	
LODGING	H.O. Cercospora White Tip		

(S ₁ M) ^R ₁	22.5
	24.0
	27.0

0	S ₁ M ^P	73.5
	R	25.0
		24.5
		27.8

0	R	77.3
---	---	------

LD DATAACRE YIELD

BU.

LBS.

3

46.8 2107

1

49.2 2216

Drained midseason field plots
September 6

		DATES			PLANT HT. (IN.)	
		HEADING	FULL			
		1ST FULL	RIPE			
✓ 408	22	8/17	8/25	9/13	42	9/15
B346B40-6	37 ^v 121	8/17	8/25	9/13	41	✓
SxN	52 ^v	8/17	8/25	9/13	40	✓
		8/17		9/13	41	
409	23	8/7	8/18	9/8	43	9/9
T. Fortuna	25 50	8/8	8/20	9/8	44	✓
TS-9821	50 ^v	8/8	8/20	9/8	43	✓
CI-1344		8/8		9/8	43	
		8/12		9/12	49	
410	24	8/12	8/23	9/12	50	9/15
Nira	40 ^v 49	8/12	8/23	9/12	48	
TS-19936	48 ^v	8/13	8/23	9/13	49	
CI-2702						
		8/12		9/12	49	
411	25	8/2	8/14	9/1	40	9/15
Bluebonnet	38 56	8/1 ^v	8/15	9/1	42	
TS-33104	51 ^v	8/2	8/14	9/3	42	
CI-8322						
		8/2		9/2	41	
412	26	7/28	8/8	9/1	36	9/15
Caloro	39 101	7/28	8/10	9/1	37	
TS-19799	53 ^v	7/28	8/9	9/1	36	
CI-1561-1						
		7/28	8/13	9/1	36	

TERING LODGE ING	DISEASES			YIELD
	H. O.	Cercospora	White Tip	GMS. PER ROW
			0	23.8
			0	19.5
			0	<u>20.0</u>
0	R		0	63.3
			0	20.8
			0	24.8
			0	<u>21.3</u>
0	R		0	66.9
			0	21.5
			0	21.3
			0	<u>22.3</u>
0	R		0	65.1
			0	20.0
			0	18.0
			0	<u>20.5</u>
0	R		0	58.5
			2	21.8
			1	18.5
			2	18.5
0	M		2	58.8

1.0	0.0	0.0	0.0	0.0
2.0	0.0	0.0	0.0	0.0
3.0	0.0	0.0	0.0	0.0
4.0	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0
6.0	0.0	0.0	0.0	0.0
7.0	0.0	0.0	0.0	0.0
8.0	0.0	0.0	0.0	0.0
9.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0
11.0	0.0	0.0	0.0	0.0
12.0	0.0	0.0	0.0	0.0
13.0	0.0	0.0	0.0	0.0
14.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0
16.0	0.0	0.0	0.0	0.0
17.0	0.0	0.0	0.0	0.0
18.0	0.0	0.0	0.0	0.0
19.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0

FIELD DATA

ACRE YIELD

BU.

LBS.

11

40.3 1815

7

42.6 1918

9

41.5 1866

Midg.
408

13

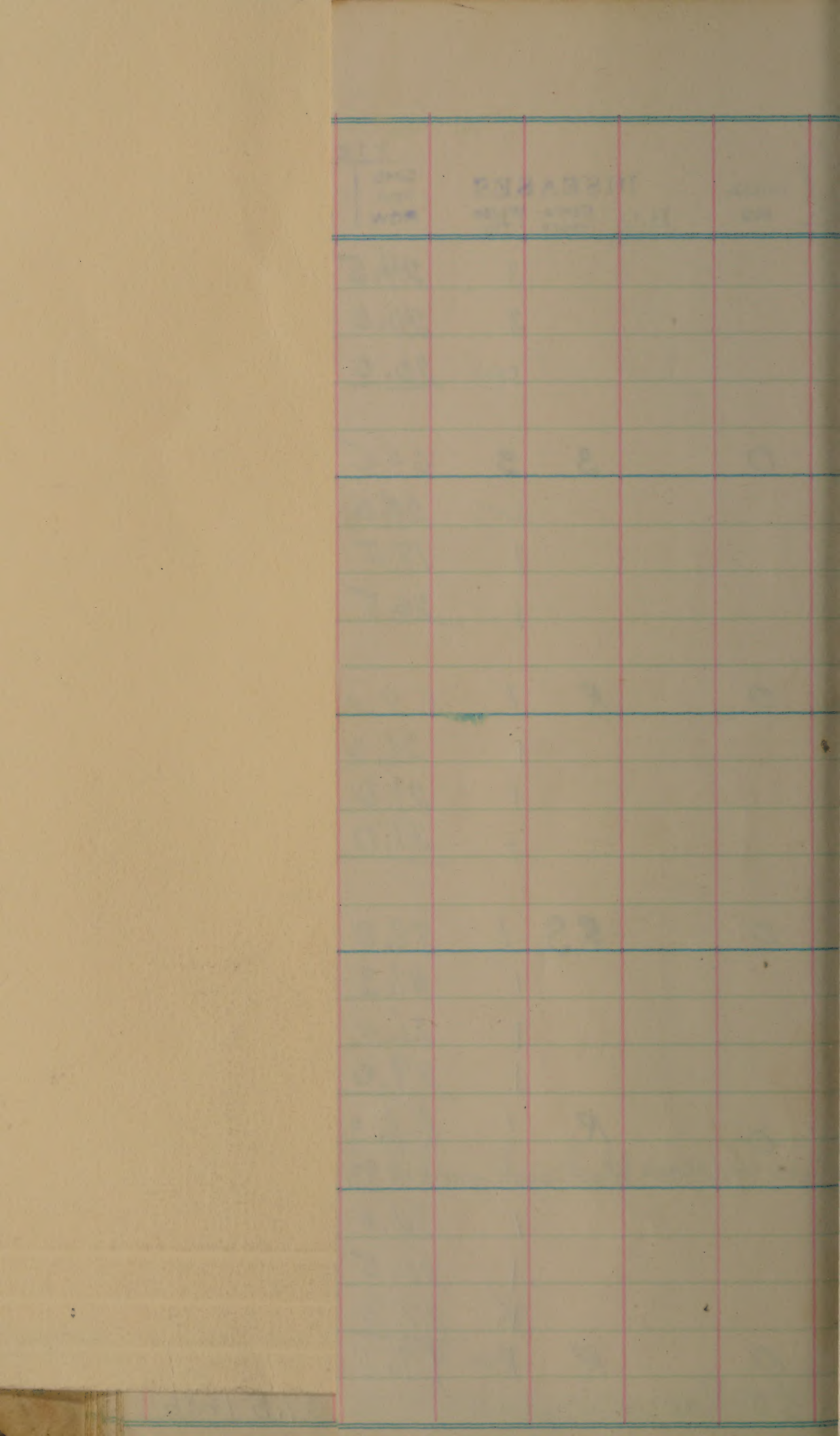
37.3 1677

12

37.5 1686

					DATES		PLANT HT. (IN.)	
					HEADING	FULL		
					1ST FULL	RIPE		
413	27				8/4	8/15	9/6	43
Arkrose	36 ^v	109			8/4	8/15	9/6	43
CI-8310	49 ^v				8/4	8/15	9/6	43
					8/4		9/6	43
414	28				8/4	8/15	9/8	44
Kamrose-34	46 ^v	111			8/5	8/17	9/9	41
CI-8314	56 ^v				8/6	8/15	9/9	42
					8/5		9/9	42
415	29				8/16	8/24	9/20	46
Blue Rose	45	107			8/17	8/24	9/19	44
TS-7183	58				8/16	8/24	8/20	44
CI-1962								
					8/16		9/20	45
416	30				8/1 ^v	8/20	9/14	42
B37/2A1-7	43	129			8/13	8/20	9/14	40
K-H x BR								
CI-8326-1	55				8/13	8/20	9/14	41
					8/13		9/14	41
417	31				8/18	8/26	9/21	47
B42-2693	42	144			8/18	8/26	9/20	46
Braunmistie	60				8/18	8/26	9/21	48
Sel.					8/18		9/21	47

TERING	LODG- ING	DISEASES		YIE
		H.O.	Cerce- spora	
				GMS. PER ROW
			3	24.5
			3	20.0
			3+	<u>20.0</u>
	0	3	3	64.5
			2	24.0
			1	17.5
			1	<u>26.5</u>
	0	R	1	68.0
			1	26.0
			1	21.0
			1	<u>31.0</u>
	0	RS	1	78.0
			1	31.3
			1	26.0
			1	<u>29.0</u>
	0	R	1	86.3
one increase black out marked 83				
			1	32.0
			1	30.5
			1	<u>37.3</u>
	0	R	1	99.8
55 R increase				



LD DATA	
ACRE YIELD	
BU.	LBS.

10

41.1 1849

6

43.3 1950

5

49.7 2236 13.8

3

55.0 2474
26-1 22A1-781

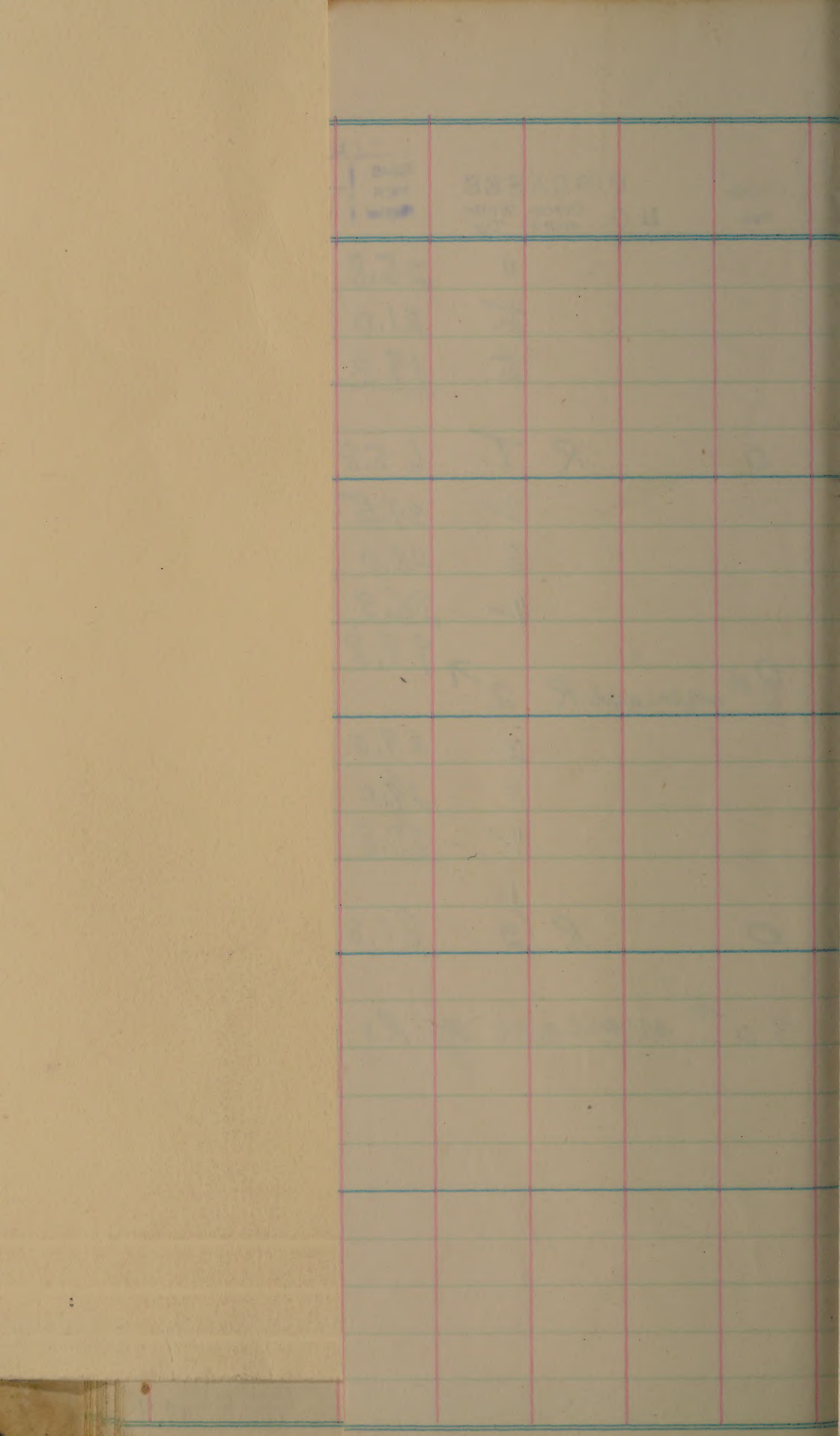
1

63.6 2861

17.7

			D A T E S			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
418	32		8/15	8/23	.	45
Blue Rose-41	44	108	8/15	8/22	9/19	44
TS-33108	54		8/16	8/23	9/20	43
CI-8317			8/15		9/19	44
419	33		8/13	8/22	9/15	44
B62-4-1,	41	138	8/14	8/22	9/15	41
KxH rogue	59		8/14	8/22	9/15	42
			8/14		9/15	42
420	34		8/13	8/21	9/16	49
B3710A1-15-5-1	47	128	8/15	8/22	9/16	46
K-HxBR	57		8/15	8/22	9/16	45
CI-8327-1			8/14		9/16	47

TESTING LODG. ING	DISEASES			Y I E
	H. O.	Cerco- spora	White Tip	GMS. PER ROW
			0	25.8
			h	21.0
			h	19.0
0	R	T		65.8
			2	34.5
			3	28.0
			2	36.3
35 ⁰ increase	R	2	7	98.8
			3	29.0
			3	24.0
			2	28.8
0	R	3		81.8
30 ⁰ increase	of Rx			



ED DATA
ACRE YIELD

BU.

LBS.

8

41.9 1886

2

63.0 2833 17.5

4

52.1 2345

N 347B409

			D A T E S			PLANT HT. (IN.)
			HEADING		FULL	
			1ST	FULL	RIPE	
421	61		9/6	9/14		48
Rexoto	66	283	9/6	9/14		46
TS-19941	73		9/6	9/14		50
CI-1779						
			9/6		10/6	48
422	62		8/24	9/2	9/23	48
Texas Patna	68	296	8/24	9/2		46
TS-33106	74		8/24	9/2		50
CI-8321						
			8/24		9/23	48
423	63		8/19	8/29	9/20	47
Texas Patna A70	70	280	8/20	8/30	9/20	45
	72		8/21	8/30	9/21	48
			8/20		9/20	47
424	64		8/20	8/30	9/22	45
B32/B40-3	67	286	8/21	8/31	9/21	44
RxD	71		8/22	8/31	9/21	47
			8/21		9/21	45
425	65		8/30	9/8		51
Delrex	69	284	8/31	9/8		47
CI-8320	75		8/31	9/8		54
			8/31		9/30	54

YIELD
LOADING

DISEASES
H.O. Cerco- White
spora Tip

YIELD
GMS. PER
ROW

32.5

32.8

35.0

0

S

0

100.3

28.0

24.5

31.8

84.3

sl.

S

0

27.5

23.0

30.0

sl

S

0

80.5

29.5

26.0

30.0

85.5

0

R

0 →

15.5

37.0

13.5

0

R

0

66.0

Highly sterile in test 3rd.

some lodging on 9/30

some lodging on 9/30

D. DATA
CRE YIELD

LBS.

1

63.9 2876 17.8

3

53.7 2417 14.9

4

51.3 2308

2

54.5 2451

Lates
421

501
Bulk-Hyb.
Population

5

42.0 1892

501

³⁵⁰
~~F₁₄~~ Short-grain x Medium-grain

502

³⁵¹
~~F₁₄~~ Long-grain x Medium-grain

503

³⁵²
 F₅ - B.R. toques From
 1940 Colch. plot (Co-R)

504

³⁵³
 F₁₃-321A, RxD

505

³⁵⁴
 F₁₃-322A, R x T.F.

501
Bulk-Hyb.
Population

Large smooth straw panicle at north end of
11th row.

6 506

355

 $F_{13}-323A, R \times SBR$
(Smooth segreq.) 30

7 507

355

 $F_{13}-323A, R \times SBR$
(Rough segreq.)

8 508

358

 $F_{10}-341A, CA \times F$

9 509

359

 $F_{10}-343A1, N \times K.$

10 510

360

 $F_{10}-344A1, CA \times K$

503

503

503

503

503

511

361

F10-346A1, S x N

512

362

F10-347A1, R x N

513

363

F10-348A1, CA x N

514

364

F10-3411A2 S x CA

515

365

F10-3412A2, CA x R

112

113

114

115

116

516

366

16 $F_6 - 379A (K-H) \times (SP-SJ)$

517

367

17 $F_6 - 3715A (BLK)$
 $F_1 (3512A) \times SBR$

518

368

18 $F_6 - 3715A38,$
 $F_1 (3512A) \times SBR$

519

369, 370

371 + 372

19 $F_7 - F_1 (cox cub) \times A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z$
 $Hyb Mix \#4$

520

373

20 $F_6 - 3747A,$
 $CI-4700 \times R.$

521

374

F₆-3781A,
R_xCI-81C

522

375

F₆-381C, BR_xZ

523

376

F₆-383A2,
BR_xCI-4440

524

378, 379

382, 383 & 385

F₆ ~~4~~ Hyb Mix #1

525

390

F₆-396A,
SP-SJ_xR-D
(No. Resistant crosses)

257

255

253

252

252

26

526

387, 388
391 + 396F₆-Hyb Mix #2

(SP-SJ crossed)

27

527

394

F₅- 399A (Crowley)

SP-SJ x BR-41

28

528

377 + 397

F₆ Hyb-Mix #3

ES-EP x CA-Cdy

29

529

398

F₇ Hyb Mix #5

30

530

399

F₄- 4014A,

BR-41 x BR

252

253

254

255

256

531

400

F₄-Hyb Mix #6
K-BR x BR

532

401

F₄-4017A,
Atkrose x BR-41

533

402

F₄-4019A
SP x K-BR

534

403

F₄-Hyb Mix #7
T.P. x long Slender-grain

535

404

F₄ Hyb-Mix #8
323H58 x T.P. + R

200 200
 100 100
 100 100

200 200
 100 100
 100 100

200 200
 100 100
 100 100

200 200
 100 100
 100 100

200 200
 100 100
 100 100

36

536

405

F4-Hyb Mix #9

TP + R x long Slender-grain

37

537

406

F4-4035A, #10

TP x R

38

538

407

F4-Hyb Mix #10

TP + R x R-D

39

539

356

F13-324A,

Rx CI-5094

40

540

357

F11 3313A,

Rx 7689

222

222

222

222

222

41 541 408
 F4- 4045A (Smooth)
 323A2-8 x BR-41

42 542
 F4- 4045A (Rough)
 323A2-8 x BR-41

43 543 409
 F4- 4046A
 2920A9 x BR-41

44 544 410
 F4- 4047A,
 2913A31 x BR-41

45 545 411
 S x K- Smooth Sels.
 (Crowley 1942 BIK)

46 546

382V383

Rexoro types.

47 547

42-2764

F₃ 323B39-13 Notl. cross

48 548

F₃- 421A

3922A1-13 x 353A2-14

49 549

F₃ 423A,

404A1-46 x 353A2-14

50 550

F₃- 424A,

404A1-46 x B39-4312 (4011XBR)

51

551

 F_3 -4113A3,

CI-5548 x Shiro Beniya

52

552

 F_3 -4114A2,

CI-5548 x Asahi

53

553

 F_3 -4115A1,

CI-5548 x Guneki

54

554

 F_3 -4116A2,

CI-5548 x CI-6796

55

555

 F_4 4117A(BIK) F_1 (401A) x CI-8324

556

Hill Bros.

Gold-hull Medium-grain

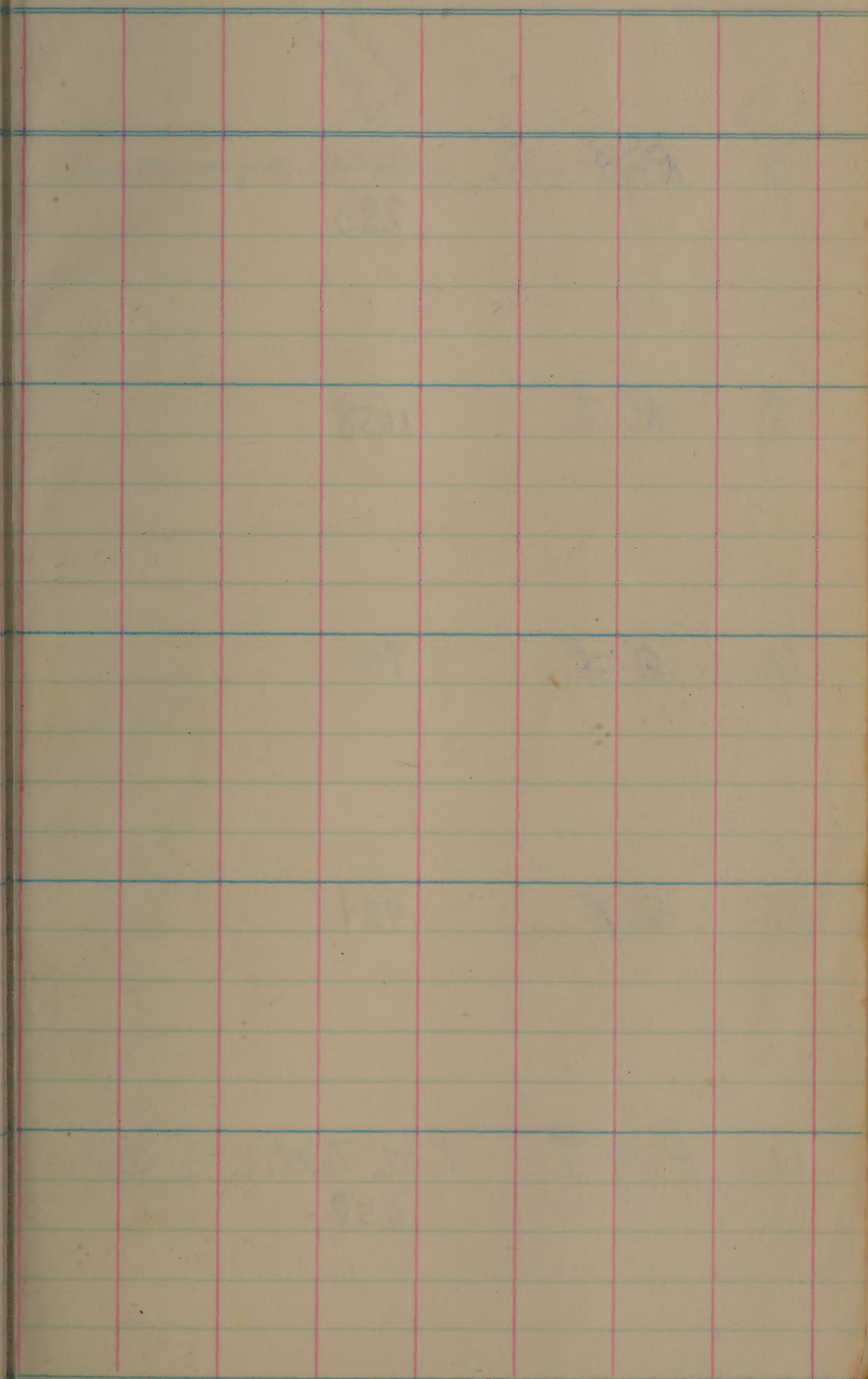
557

Hill Bros.

Gold-hull long Slender-grain

558

559



9m per 2
16 ft m

7 R.B

Bell grain -
730

8 R.L.

1058

9 E.L.

910

10 E.B

924

11 P.G.L.

Little Toller E.G.
658

Smaller plants than Gray type. C.O.
R

R

R

R

Same maturity

S

gm. per 2
16 X mm.

12 P. g. B.

983

13 Honduras

910

14 C. gold

967

15 PR 147

877

16 PR-304

743

Co.

R

S

T

R

R

grams per
2-16 ft mms

17 PR-325 906 906

18 PR-358 1025

19 PR-388 840 840

20 PR-403 1030

21 PR-416 937

Co.

R

R

R

R

R

22 P.R. 482

gross
per
2164 mms
909

23 461

874

24 RD 218

928

25 SD 144

990

26 H-32

830

C. S. P. O.

R

R S

R S

R

R

gross per 2
16 ft rows

27 - C-4

963

C, O

R

Dishman Brothers Farm, long-gr

601	B322A4-6-3	a 29	10/16	46
	RxF	B		49
		c		49
		d		47
			10/16	48
602	²³ C322A6-24	a 58	10/15	48
	RxF	b		49
		c		50
		d		49
			10/15	49
603	Bluebonnet	a 56	10/7	51
	TS-33104	b		51
	CI-8322	c		52
		d		53
			10/7	52
604	B347B41-7	a 95	10/17	54
	RxN	b		55
		c		55
		d		55
			10/17	55
605	B347B41-5	a 94	10/12	52
	RxN	b		51
		c		53
		d		52
			10/12	52

4 series x .75 = pounds per A

3 series x .5625 = " " "

136

checked

Lodging

metres

1264 23.4

1195 22.1

1116 20.7

1296 24.0
22.6

4871 81.2 3653 22.5

1192 22.1

1222 22.6

1232 22.8

1306 24.2

4952 82.5 3714 22.9

1209 24.2

1083 20.2

1034 19.1

1021 18.9

4447 74.1 3335 20.6

1149 21.3

1142 21.1

1089 20.2

1055 19.5

4435 73.9 3326 20.5

1093 20.2

898 16.6

770 14.3

880 16.3

3641 60.7 2731 16.9

606	B347840-9, R x N	a 63	10/13	49
		h		48
		c		50
		d		49
			10/13	49
607	Nira TS-19936 CI-2702	a 70	10/15	58
		h		58
		c		59
		d		60
			10/15	59
608	B346840-6, S x N	a 121	10/15	48
		h		49
		c		49
		d		50
			10/15	49
609	B346B39-4, S x N	a 71	10/15	51
		h		52
		c		52
		d		52
			10/15	52
610	B352A11-2-2-2-1, K x R	a 66	10/15	51
		h		52
		c		53
		d		51
			10/15	52

	1150		21.3
	1058		19.6
Excellent in 3rd, no straight-head	1003	8	18.6
July 2 K rows in 4th	1220		22.6
0	4431	73.8 3323	20.5
	1121		20.7
	1190		22.0
	1045	4	19.3
	1275		23.6
0	4631	77.2 3473	21.4
	1222		22.6
	1292		23.9
Very badly straight-head	791	3	14.6
Very little straight-head	1335		24.7
0	4640	77.3 3480	21.5
	1027		19.0
	1227		22.7
A small amount of straight-	1090	5	20.2
Trace straight-head	1166		21.6
0	4510	75.2 3382	20.9
Has an occasional straight head	949		17.6
in 3rd	1178	9	21.8
	954		17.7
	1002		18.5
0	4083	68.0 3062	18.9

full
ripe

611	AL-5-30,	2 119	10/20	50
	I x BR	h		51
		c		<u>50</u>
		d		
			10/20	50

Texas Rice Improvement Association: full

601	B322A4-6-3,	E 59	10/22	48
	R x F	f		
		g		
		h		

602	²³ C322A6-24,	E 58	10/22	48
	R x F	f	10/22	49
		g		
		h		

603	Bluebonnet	e 56	10/22	49
	TS-33104	f	10/12	52
	CI-8322	g		
		h		
			10/12	52

	935		17.3
a little straight-head in 1	1187		22.0
Very bad for straight-head, more than #608	396	11	7.3
	not arm		
0	2518	56.0 2518	15.5

long grain varieties		checked	
	1035		19.2
shorter than Rx N 40-9, not as uniform	1034		19.1
less productive.	1065	7	19.7
	1151		21.3
0	4285	71.4 3214	19.8
	1188		22.0
possibly a little shorter than Bt	1222		22.6
later, better strain	1216	3	22.5
	1211		22.4
0	4837	80.6 3628	22.4
	990		18.3
Earliest	960		17.8
	928	10	17.2
	1079		20.0
0	3957	66.0 2968	18.3

604 B347B41-7, ⁹⁵
 RxN

10/25 55

f

g

h

10/25 55

605 B347B41-5, ⁹⁴
 RxN

10/20 53

f

g

h

10/20 53

606 B347B40-9, ⁶³
 RxN

10/24 51

f

g

h

10/24 51

607 Nira ¹⁷⁰
 TS-19936
 CI-2702

10/25 59

f

g

h

10/25 59

608 B346B40-6, ¹²¹
 SxN

50

f

g

h

10/28 50

	✓				
	1141				21.1
	945				17.5
Tall, very uniform, long, very	1129	8			20.9
substantial stem	1037				19.2
0	4252	70.9	3189		19.7
	991				18.3
	961				17.8
Rather tall, drooping principle	980	11			18.1
	872				16.1
0	3804	63.4	2853		17.6
	1235				22.9
	990				18.3
Best stream in test not too tall	1066	6			19.7
Very Uniform long.	1159				21.5
0	4450	74.2	3338		20.6
	1224				22.7
	1042				19.3
Very tall, taller than 441-7	1180	4			21.8
doesn't look as substantial stream	1257				23.3
0	4703	78.4	3527		21.8
	1300				24.1
	1135				21.0
Standing in mud, short	1175	2			21.7
stream, good	1264				23.4
0	4874	81.2	3656		22.6

609 B346B39-4, 71 52
S x N

f

g
h

10/28 52

610 B352A11-2-3-2-1, 66 53
K x R

f

g
h

10/28 53

611 AL-5-30, 119 50
I x BR

f

g
h

10/30 50

✓ Texas Rice Improvement Association
61 ✓ Blue Rose 126 51

TS-7183

f

CI-1962

c

d

51.

	1197			22.2
	1147			21.2
Rather tall, open juvenile	1062	5		19.7
	<u>1194</u>			<u>22.1</u>
0	4600	76.7	3450	21.3
	1079			20.0
	1091			20.2
quite tall, good,	858	9		15.9
	<u>1026</u>			<u>19.0</u>
0	4054	67.6	3040	18.8
	1201			22.2
	1207			22.3
leaning in some areas	1189	1		22.0
	<u>1311</u>			<u>24.3</u>
0	4908	81.8	3681	22.7

medium - gran varnish:		checked	
leaning badly	1073		19.9
leaning badly	1052	5	19.5
leaning badly, some twisting	<u>1094</u>		<u>20.2</u>
	3219	71.5	3219
			19.9

Abad

613	Blue Rose-41 TS-33108 CI-8317	142 a b c d	50
614	Commercial Blue Rose	1943 a b c d D. Melanson Test	50 50
615	B3712A1-7-2 K-H x BR CI-8326-1	129 a b c d	49
616	B3710A1-15-5-1, K-H x BR CI-8327-1	128 a b c d	52
617	B3710A1-9-4-4, K-H x BR	125 a b c d	53

leaning considerably
 leaning slightly
 bad →

1200			22.2
994			18.4
1111	4		<u>20.6</u>
3305	73.4	3305	20.4

very low, leaning slightly
 leaning slightly
 sl.
 bad →

881			16.3
931			17.2
968	8		<u>17.9</u>
2780	61.8	2780	<u>17.1</u>
			17.2

no lodging
 O

1035			19.2
1220			22.6
1291	1		<u>23.9</u>
3546	78.8	3546	21.9

leaning very slightly
 sl.

1029			19.0
1133			21.0
1250	3		<u>22.1</u>
3412	75.8	3412	<u>21.0</u>
			21.1

no lodging
 no lodging
 1)
 Has excellent stem (very stiff) is too tall,
 but stands very well.

1110			20.5
1141			21.1
1280	2		<u>23.7</u>
3531	78.5	3531	21.8

O

618	B62-4-2,	138	47
	KxH roque	a	
		h	

c

d

47

619	B42-2693,	144	52
	Bruin. Sel.	a	
		h	

c

d

52

1005.333

$$\begin{array}{r} 3 \overline{) 3016} \\ \underline{30} \\ 16 \\ \underline{15} \\ 10 \\ \underline{9} \\ 100 \\ \underline{90} \\ 1000 \\ \underline{900} \\ 1000 \\ \underline{900} \\ 1000 \\ \underline{900} \\ 1000 \end{array}$$

no lodging	924		17.1
no lodging	1071	7	19.8
"	1021		18.9

cleanest straw standing well, rather small stem
looks a little light for yield, short stem

0	3016	67.0	3016	18.6
---	------	------	------	------

no lodging	1091		20.2
lodged in center of plot and O.K.	993		18.4
	1111	6	20.6

standing better than BP- BP 41 on Cornell test as
well as 8326 on K-N on AI-9, too tall
sl.

3195	71.0	3195	19.7
------	------	------	------

checked.

Storage of large envelopes

Long tray
all F_1 material

Short tray
all F_2 material including some
1943 material

Long tray
Selections from nursery yield plots (1-399)
Selections from bulk hybrids (501-57)
Selections from breeding nursery (2001-3031)
Selections from fresh nursery (5001-5200)
Misc. material.

Storage of small envelopes (cont.)

- 1 2005 - 2351
- 2 2351 - 2539
- 3 2573 - 2855
- 4 2857 - 3142
- 5 late material 2845 - 3112
- 6 A93 material ($F \times BR$) + misc. seeds including
crossed seeds
7. Fresh material 5001 - 5200

checked following

Dishman var. test

Silo farm var. test

Field plots

yield nursing through 208

glutamine mud.

all singles

all figures have been checked

checking of annual report

1- 2/08 checked

8
 20) 1442
 1140

 302

Early 1 138
 2 152
 3 138
 4 119

mid day 5 121
 6 132 1237
 7 142 127
 8 117 88
 9 129
 10 47

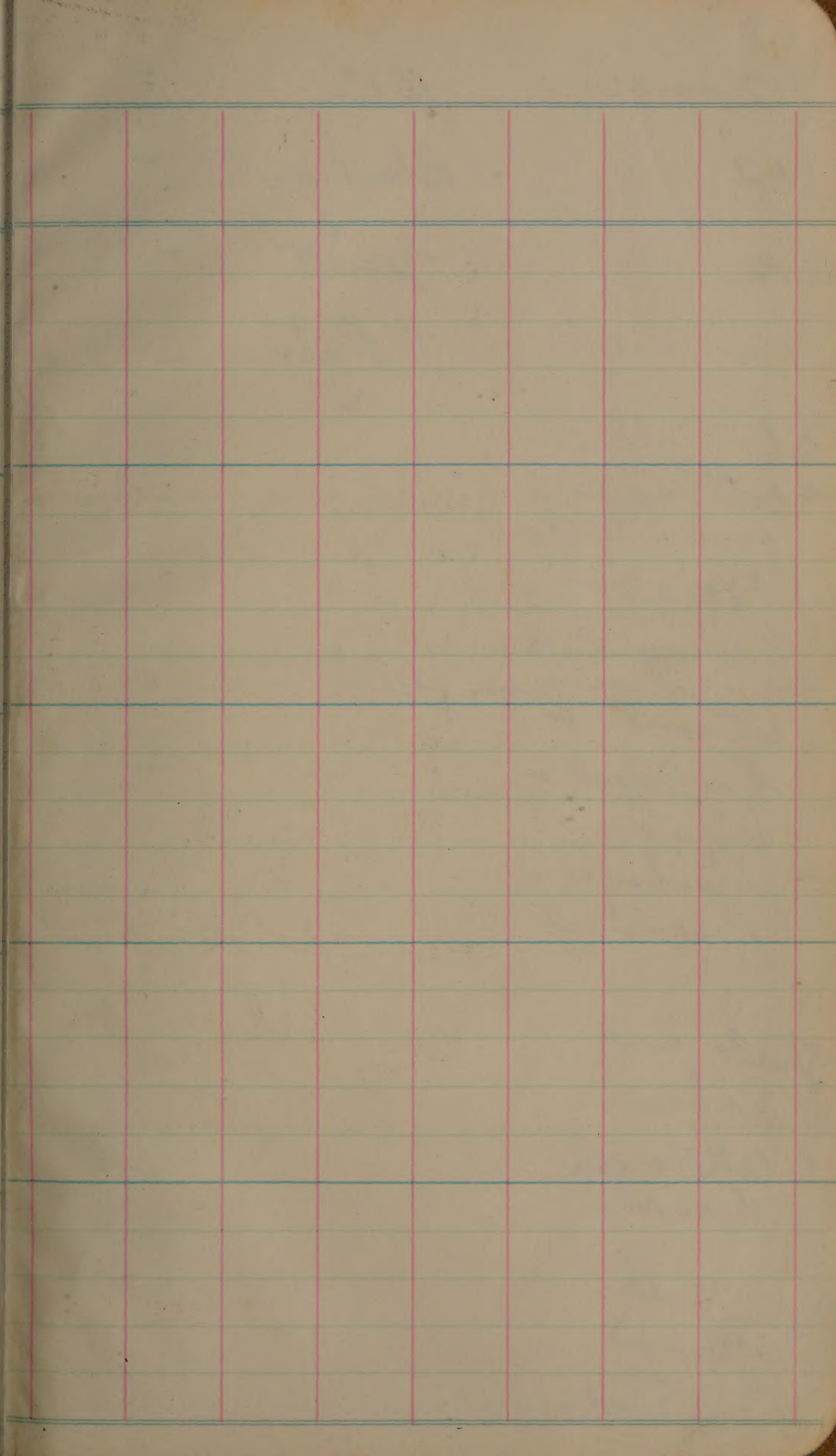
 1237
 60 checks

 1297

11 127
 12 88

 1442
 70 checks

 Total = 1512



12 varieties

BKs

✓

12 "

Bluebonnet

✓

12 "

Zenith

✓

12 "

T Patna

✓

BK Field

Cottonwood

Pine Island

Dishman

Steinhagen

Brassard

Bluebonnet or Mra field

Cottonwood ✓

Pine Island ✓

Dishman

Steinhagen

Brassard

Zenith field

Dishman

Cottonwood

Brassard

TP atna Field

Cottonwood

Dishman

Pine Island

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Cereal

4.7.

78.

227369

22019
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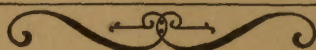
$$\begin{array}{r} 16 \\ 6 \overline{) 106} \\ \underline{6} \\ 48 \\ 4 \overline{) 48} \\ \underline{40} \\ 8 \end{array}$$

1944

Henry M. Beachell

Compliments of
I. D. Robertson & Company
Insurance
700 American National Bank Building
Telephone 6232

1944—Calendar—1944



JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Mrs Turney ph-10869M
R. V. Turney

7 - 9

13 - 14

15 - 15



Saturday, JANUARY 1

1st Day—365 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Worked on ranchers and
books for Rice Dwp accm.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JANUARY 2

2nd Day—364 days to come

Monday, JANUARY 3

3rd Day—363 days to come

	Clear
	Cloudy
	Rain
	Snow

got vouchers signed
and sorted rice samples.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JANUARY 4

4th Day—362 days to come

Trip to Silo farm in A.M.
with Lu Fontenot regarding account
for Rice Imp. Assoc.

Hauled tractor to silo farm in
P.M. Started plowing land.

Wednesday, JANUARY 5

5th Day—361 days to come

	Clear
	Cloudy
	Rain
	Snow

Had this checked on pickup
truck in a.m. Sorted on
rice samples
meeting of Rice Imp. Assn. in
P.M.

	Clear
	Cloudy
	Rain
	Snow

Thursday, JANUARY 6

6th Day—360 days to come

*Sorted on rice samples
and measured out milling
samples.*

Friday, JANUARY 7

7th Day—359 days to come

	Clear
	Cloudy
	Rain
	Snow

Measured out milling samples in
a.m. Typed on annual report
tables in P.M. at P.O.

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 8

8th Day—358 days to come

Completed nursery milling
samples, returned data
sheet (on yields) to Jordon.

Oscar worked 8 hrs.

Richard " 4 hrs.

cleaning field plot samples

Sunday, JANUARY 9

9th Day—357 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, JANUARY 10

10th Day—356 days to come

Worked on nursery tables
in a.m. Trip to Silo farm
in P.M.

Tuesday, JANUARY 11

11th Day—355 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaned nursery samples

*Trip to Silo farm to start
Dishman Bros tractors plowing*

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JANUARY 12

12th Day—354 days to come

*Typed on masonry yard
tables all day.*

Thursday, JANUARY 13

13th Day—353 days to come

	Clear
	Cloudy
	Rain
	Snow

Sick leave

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JANUARY 14

14th Day—352 days to come

Sick leave

Saturday, JANUARY 15

15th Day—351 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

lick low

	Clear
	Cloudy
	Rain
	Snow

Sunday, JANUARY 16

16th Day—350 days to come

Dishman Bros plowed all
day at Silo farm with 4
tractors.

Monday, JANUARY 17

17th Day—349 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on annual rpt in
am. took milling samples
to grading office

Dishman Bros plowed
all day with 4 tractors
at Sils farm

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, JANUARY 18

18th Day—348 days to come

Trip to Chinami a.m. to see
Fontenot and hulled sample
for vitamin determinations.
In P.M. trip to Silo farm
to see about remainder of plowing.

Wednesday, JANUARY 19

19th Day—347 days to come

Clear
Cloudy
Rain
Snow

Worked on summary report in
a.m. conferred with Boyd,
Broussard, Faulkner, Malay,
etc in P.M. obtained samples
of RxF for germination and
purity tests.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, JANUARY 20

20th Day—346 days to come

Worked at P.O. in a.m. Can. Rpt
and got R&F samples ready for germ.
at station in p.m. worked on
summary report.

Friday, JANUARY 21

21st Day—345 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Worked on annual report tables
in A.M. Summary report in
P.M.

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 22

22nd Day—344 days to come

Oscar Davis - 9 hrs

Worked on summary report.

all day

Sunday, JANUARY 23

23rd Day—343 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JANUARY 24

24th Day—342 days to come

Decor R. Series, pt 2

Worked on annual rpt.

P.O. in A.M.

Station in P.M.

Tuesday, JANUARY 25

25th Day—341 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar R. Davis, Jr 24 hrs

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JANUARY 26

26th Day—340 days to come

Worked at P.O. all
day on annual rpt.

Boles started working on
JD tractor,

Thursday, JANUARY 27

27th Day—339 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on annual rpt all
day at P.O. in a.m.,
Station in P.M.

	Clear
	Cloudy
	Rain
	Snow

Friday, JANUARY 28

28th Day—338 days to come

Robert R. Davis, Jr. 2

Saturday, JANUARY 29

29th Day—337 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Oscar R. Davis, Jr. & his.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JANUARY 30

30th Day—336 days to come

Monday, JANUARY 31

31st Day—335 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar

1 hour

Worked on Annual report

Oscar

20	_____	2
21	_____	2
22	9'	
24	2	
25	2	
26	_____	2
27	_____	2
28	2	
29	8	
31	1	2

32 hours

Richard — 4 hrs on Jan 8

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, FEBRUARY 1

32nd Day—334 days to come

Oscar

1 1/2

Worked on annual report.

Wednesday, FEBRUARY 2

33rd Day—333 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on seedling plans
and annual report

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, FEBRUARY 3

34th Day—332 days to come

Oscar 1 hr.

Measured out seedling samples
of Breeding nursery samples
worked on seedling plants.

Friday, FEBRUARY 4

35th Day—331 days to come

Clear
Cloudy
Rain
Snow

Carried last of pots to
Bonles for John Deere tractor
worked on seeding plans.
attended John Deere show at
Stagg Supply Co. headquarters

Carried samples of Breeding
mummy now handed to
P.O. (for mailing)

Drove to Dishman farm
re. block for increase
seedlings of several varieties.

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 5

36th Day—330 days to come

Worked on seedling
plans, letter to Jones,

Sunday, FEBRUARY 6

37th Day—329 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, FEBRUARY 7

38th Day—328 days to come

Boys worked on tractor
 worked up data on acreages
 of Texas Petrol in 1943.

Tuesday, FEBRUARY 8

39th Day—327 days to come

Clear
Cloudy
Rain
Snow

Worked on landing plane

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, FEBRUARY 9

40th Day—326 days to come

Sent last of Upland rice
samples to Jones.

Brought John Deere tractor
back to Station from asen.
repair shop.

Thursday, FEBRUARY 10

41st Day—325 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaned seed of Texas Patna
for seed rice crop. Ordined
7200 pounds. Had 10 sacks
of seed from seed block.

Worked on sowing plans.

Boys went to Lila farm in
P.M. to open drainage ditch.

Wyche returned from college
Station trap.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, FEBRUARY 11

42nd Day—324 days to come

*Worked on particle selection
material all day*

Saturday, FEBRUARY 12

43rd Day—323 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on Bulkhead-hydrant
material all day.

called Divers about
heavy barrow for Rice Dump.
ascen.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, FEBRUARY 13

44th Day—322 days to come

Monday, FEBRUARY 14

45th Day—321 days to come

Clear
Cloudy
Rain
Snow

Heavy rain during night
of 13th (1.70).

Worked on bulked-hybrid
material in A.M.

In P.M. went to silo farm
and put in drains in 80 acre
block using Martin ditcher.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, FEBRUARY 15

46th Day—320 days to come

Oscar R. Davis Jr. 1 1/2 hrs.

2nd a.m. worked at silo
farm putting in drains in
46-acre block. Boys worked
in P.M. skimming out some.

2nd P.M. attended irrigation
meeting at Capt. Boyte's
office. Those present were
Boyle, Galloway, Joe Branson &
Wych, Hig. Beaulieu.

Wednesday, FEBRUARY 16

47th Day—319 days to come

Clear
Cloudy
Rain
Snow

Trip to Bmt Rice Mill in
A.M. to discuss variety and
fertilizer tests with J. E. Bruns.
Showed him milled samples
of several of the more promising
Bk-types.

Worked on seedling plants
in P.M.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, FEBRUARY 17

48th Day—318 days to come

Jordan & ^{Cox} arrived about

10:30.

Friday, FEBRUARY 18

49th Day—317 days to come

Clear
Cloudy
Rain
Snow

Oscar R. Davis, Jr.

9:15 AM - 12:15

godon here. left at 3 PM

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 19

50th Day—316 days to come

Oscar R. Davis - Jr.
8 hrs.

milled rice samples all
day.

Hulled Breeding nursery
material - Oscar milled some.

Sunday, FEBRUARY 20

51st Day—315 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, FEBRUARY 21

52nd Day—314 days to come

milled and hulled rice
samples all day B3722A1-93
lms,

Tuesday, FEBRUARY 22

53rd Day—313 days to come

Clear
Cloudy
Rain
Snow

milled and hulled rice samples
in A.M. → ^{EP X 1313-41 sets.} attended Agric.
planning committee meeting
at Court House in A.M.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, FEBRUARY 23

54th Day—312 days to come

Oscar R. Davis Jr. 1 1/2 hrs.

Trip to Divers after harrow
in A.M. Stopped at Divers
Dv. A.M.R.G. for information
in Texas Patna. Also at both
home warehouses.

In P.M. got sack of
milled T.P. from Bent Rice Mill
for cooking determinations.

Thursday, FEBRUARY 24

55th Day—311 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar P. Davis Jr. 1 1/2 hr

worked on milling samples
in A.M.

Drove to Austin in P.M.

1/2 day Annual leave

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, FEBRUARY 25

56th Day—310 days to come

Oscar R. Davis Jr. 6 hr.

Annual leave 1 day
(in Austin)

Saturday, FEBRUARY 26

57th Day—309 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD II 3 1/4

annual leave 1 day
(2 in austen)

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, FEBRUARY 27

58th Day—308 days to come

Returned from Austin

Monday, FEBRUARY 28

59th Day—307 days to come

	Clear
	Cloudy
	Rain
	Snow

ADD = $1\frac{1}{2}$ hrs.

Worked on breeding nursery
milled samples all day
ordered Alya clover seed from
Ruten Seed Co., N.O., La

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, FEBRUARY 29

60th Day—306 days to come

O.R.D. = $1\frac{1}{2}$ hrs.

Worked on nursing plans
all day.

Wednesday, MARCH 1

61st Day—305 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on seedling plans
and letters, Mrs S. typed on
cards.

Jack Langston brought
by Hugh Long rice
samples

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 2

62nd Day—304 days to come

Worked on milling samples
 Took truck tire to Bmt.
 Moved Joe's furniture to
 Warehouse in P.M..

Friday, MARCH 3

63rd Day—303 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar R. Harris, Jr. 6 hr.

Worked on melting samples
all day. Trip to Bend at noon
after tire for truck

	Clear
	Cloudy
	Rain
	Snow

Saturday, MARCH 4

64th Day—302 days to come

Clear P. Davis - 14 hrs.
worked on seedling plants

Mr. Shultz & McVeigh?

from J. I. Case Co. mailed
station in P.M.

Sunday, MARCH 5

65th Day—301 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 6

66th Day—300 days to come

Oscar R. Harris, Jr. 4 1/2 hr

worked on seedling plans
all day

Tuesday, MARCH 7

67th Day—299 days to come

Clear
Cloudy
Rain
Snow

Oscar R. Davis, Jr. & hrs.

worked on seeding plans all day.

wyche hauled T.P. and BK
and to accn. in P.M.

Trip in P.O. in late afternoon.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MARCH 8

68th Day—298 days to come

Trip to Pani Del. and Silo farm
to check fields. Fence on.
Hort land in good condition.

Trip to aspen. in P.M.
to see about paying a
number of bills including
aligner closer seed. check
for \$202. sent to Reuben by night
Oscar R. Davis, Jr. 4 1/2
hrs

Thursday, MARCH 9

69th Day—297 days to come

	Clear
	Cloudy
	Rain
	Snow

In. A/M
weighed out seed to send to
Crowley. seed sent off.

got alyce clover seed from
So. Pac. freight depot in PM

Jesse R. Davis, Jr. 2 1/2 hrs.

	Clear
	Cloudy
	Rain
	Snow

Friday, MARCH 10

70th Day—296 days to come

Oscar R. Rair, Jr. 4 1/2

worked on seeding plans.

oscar started cleaning
bulked-hybrids.

Saturday, MARCH 11

71st Day—295 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar R. Lewis, Jr. 10 hrs.

Richard R. Loeb. 10 hrs

Worked on seeding plans

Bags cleaned Trull's mat. +
compt. Bulk byfeds, single gold plate

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, MARCH 12

72nd Day—294 days to come

Monday, MARCH 13

73rd Day—293 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar R. Davis Jr. Elm.

Started plowing out ends of rice
land at Selo farm.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MARCH 14

74th Day—292 days to come

Oscar B. Davis, 4 1/2 hr

to the ... of the ...
 ... of the ...

Wednesday, MARCH 15

75th Day—291 days to come

	Clear
	Cloudy
	Rain
	Snow

O R D ² Thrs

Worked on breeding nursery
completed plowing ends
of land at Silo farm, started
harrowing

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 16

76th Day—290 days to come

Ad^{II} 4½ hrs

Worked on breeding nursery
made up breeding nursery book
in P.M.

Rain of about 1½ inches,
Bays opened cuts on hill farm
land.

Friday, MARCH 17

77th Day—289 days to come

	Clear
	Cloudy
	Rain
	Snow

Received annual report

Ord. ^{II} 4 $\frac{1}{2}$ B.B.L.

worked on breeding
nursery

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, MARCH 18

78th Day—288 days to come

B, B, L,

8 hrs.

Break nursery

Sunday, MARCH 19

79th Day—287 days to come

	Clear
	Cloudy
	Rain
	Snow

Drove to Houston to get mother
& Dad, returned via Galveston &
P. A.

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 20

80th Day—286 days to come

annual leave

Tuesday, MARCH 21

81st Day—285 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, MARCH 22

82nd Day—284 days to come

at Rice growers Assoc in
P.M. of 21st or 22nd.
checked over financial
condition of Rice Impass.

Thursday, MARCH 23

83rd Day—283 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, MARCH 24

84th Day—282 days to come

annual leave $\frac{1}{2}$ day

Drove to Orange & over
big bridge

Saturday, MARCH 25

85th Day—281 days to come

	Clear
	Cloudy
	Rain
	Snow

D.R.Dth 6 hrs.

R.R.L - 4 hrs.

Worked on seeding plans.

Drove to Popple, part of
canal Co. to find out
about Hart land, also
drove to Pumping plants

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, MARCH 26

86th Day—280 days to come

Monday, MARCH 27

87th Day—279 days to come

Clear
Cloudy
Rain
Snow

Drove to Houston in late afternoon to take Mother + Dad to train. Stopped at home to

find out about Bluebonnet seed

Stopped at Denver to advise Maxwell about clover seed

Stopped at Dayton en way back to Beaumont to confer with Anselmie.

Drove to Silo farm in A.M. with Clyde Dishman to check levees

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, MARCH 28

38th Day—278 days to come

ORD — $4\frac{1}{2}$

Drove to home in AM
to get seed of Bluebonnet.

4 sacks from T.P.S.

5 sacks from Anselmi

Worked on yield nursery plans
in P.M.

Wednesday, MARCH 29

89th Day—277 days to come

Clear
Cloudy
Rain
Snow

ORD - 4 hrs
George Dickman 4 hrs.

measured out repl. yield
nursery in P.M.

Bought license for truck (D.T.)

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, MARCH 30

90th Day—276 days to come

sent seed samples to
Stuttgart and Crowley.

Friday, MARCH 31

91st Day—275 days to come

	Clear
	Cloudy
	Rain
	Snow

Weighted out single yield plots
trip to Dishman ricefield south
of Station

Clear
Cloudy
Rain
Snow

Saturday, APRIL 1

92nd Day—274 days to come

Worked on float in A.M.
got lumber bolts etc. for some

O.R.D.th 6 1/2 hrs.

measured out glutinous
variety test, Trip to Silo
farm to check harrowing
operation.

Sunday, APRIL 2

93rd Day—273 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

*Rained during night
and morning*

	Clear
	Cloudy
	Rain
	Snow

Monday, APRIL 3

94th Day—272 days to come

Boys fixed fence at Silo
farm all day. Worked on
final sdg plans, sent
Bluebonnet seed to Stuttgart,

Tuesday, APRIL 4

95th Day—271 days to come

	Clear
	Cloudy
	Rain
	Snow

Hauled J-D tractor + disc
to Silo farm on trailer
from asen. Also got harrow
from asen.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, APRIL 5

96th Day—270 days to come

Spent most of day

at the farm

to get the

new record

Thursday, APRIL 6

97th Day—269 days to come

	Clear
	Cloudy
	Rain
	Snow

Spent most of day at Silufan

Brought Case tractor back to
station disced & harrowed
all day Friday

Friday
Went to — farm
with Bonles to get lime
ditcher

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 7

98th Day—268 days to come

Hauled Bluebonnet
seed in to Station also
2 sacks of Potash

Saturday, APRIL 8

99th Day—267 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD 8 hrs,

Seeded field plots.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, APRIL 9

100th Day—266 days to come

Went to La Belle with Leo.

Monday, APRIL 10

101st Day—265 days to come

	Clear
	Cloudy
	Rain
	Snow

Hauled Hugh Long spring-
tooth harrow to Selo farm

got remainder of Bluebonnet
seed from Mitchell lot

	Clear
	Cloudy
	Rain
	Snow

Tuesday, APRIL 11

102nd Day—264 days to come

John drove Case tractor
back to Silo farm.

Richards started working

Wednesday, APRIL 12

103rd Day—263 days to come

	Clear
	Cloudy
	Rain
	Snow

Broke spring-tooth had
it welded at home.

	Clear
	Cloudy
	Rain
	Snow

Thursday, APRIL 13

104th Day—262 days to come

Hauled Dishman disc to
Silo farm at noon

Hauled disc from Station
to Silo farm in a.m.

Friday, APRIL 14

105th Day—261 days to come

Clear
Cloudy
Rain
Snow

grader and
Hauled three push to silo farm
Surveyed lines on 80-acre
block at silo farm. Broke
beam on drc & bar on
spring tooth. Hig. had
them welded at home.

Run drc to silo farm
in A.M. and used same in marking
lines. (used plow)

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 15

106th Day—260 days to come

Tightened bearings on
John Deere in A.M. Ran
push over all levers and
plowed some

Richards worked all day

R. Loeb worked all day

Sunday, APRIL 16

107th Day—259 days to come

Clear
Cloudy
Rain
Snow

Cleaned radiator on Case tractor in A. M. John disced in P. M. and Harry sprung-toothed behind disc. Harry ran grader over all lines.

Richards did not work.
Drove to Coastal Inn with Harry.

	Clear
	Cloudy
	Rain
	Snow

Monday, APRIL 17

108th Day—258 days to come

Discd with Case from 4-8 AM
John discd in A.M. with
Case. Broke beam on disc
about noon. T. Ellis had to
mild in Bunt. John pushed lives in AM.

Richards spring totted all day

Flushed field plots

Henry harrowed with pipe
harrow most of night.
completed discing south
port of 80 acre block before
starting harrow.

Tuesday, APRIL 18

109th Day—257 days to come

Clear
Cloudy
Rain
Snow

Harrowed with pipe harrow
on north part of 80-acre
block using Case. Put
John Deere on box float
following harrow. Floated
only 1 cut. Had completed
harrowing entire 80 acre
block, except, part of 1 block
pulled large drill to
Silo farm behind pickup.

Truck from 1st emerged 6 by

Clear
Cloudy
Rain
Snow

Wednesday, APRIL 19

110th Day—256 days to come

Built jack for watering
 use with Wisconsin motor
 started last section of
 small float.

Thursday, APRIL 20

111th Day—255 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Silo farm in A.M.
with Morgan to look at land
Drove to home for cleaves'
completed small float (3rd section)

In P.M. started bonoring
south part of 80 acre block
at Silo farm. Used drag
harrow behind pipe harrow.
Hunter disced leaves.

Hauled 10 sx rice and
40 sx fertilizer to field in
truck. W yche drove Forman
and small drill to Silo
farm.

Field plots 1st emerged today

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 21

112th Day—254 days to come

Rained Friday morning
 Started seeding at noon (1:30)
 Seeded about 25-30 acres and
 pushed 1st fair lines.
 Floated with John Deere, (Humbly)
 Seeded with Case + Jomall,
 Heavy harrowed with rope
 harrow night of the 20th

Saturday, APRIL 22

113th Day—253 days to come

Clear
Cloudy
Rain
Snow

seeded all day with
Case & Formall, Floated
with John Deere

Richards worked all
day

Benny did not work.
Lat. night but harrowed
north part of 80 acre
block the night of 21st.

completed seeding 80 acre
block & plowed & pushed
north & levee

Oscar & Rich. worked all day

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, APRIL 23

114th Day—252 days to come

Started to run drains
Sunday P.M. but broke
fan belt on cast

Henry decided west
half of 46 acre block

Monday, APRIL 24

115th Day—251 days to come

	Clear
	Cloudy
	Rain
	Snow

Morgan disced east half of
46 acre block, Hunter
spring - to the same.

Richards did not work

Took big truck to shop.

Put in drains in 80 acre
field using grader.

Clear
Cloudy
Rain
Snow

Tuesday, APRIL 25

116th Day—250 days to come

Richards worked all day.
Plowed levees on 80 acre field
in A.M. and pushed levees again
in P.M.

Morgan started mowing
west half of 46 acre block in
am. Henry sprung toothed some
mud of 24th and honored east
half.

Took Case tractor back to
station along with big (box) float
& pipe borrow.

Truck taken out of shop at noon
7 field plots fully emerged.

15.19
12

43560.1 X
18,228.1
43560 X

Wednesday, APRIL 26

117th Day—249 days to come

	Clear
	Cloudy
	Rain
	Snow

Fertilized yield nursery
plots with 8. hole gram
dull. Set fert. attachment
on 2 3 ^{low gear} and put discs
down to 5th notch
from deepest depth.
harrowed with ^{light} drag
harrow and floated after
dropping fertilizer.
12 strips $5\frac{1}{3} \times 285$ and
used about 100[#] 1:1 of S.A. +
Boremeal or 240[#] per acre
nursery land was harrowed (pipe harrow),
floated harrowed and again floated before
fertilizer was added.

	Clear
	Cloudy
	Rain
	Snow

Thursday, APRIL 27

118th Day—248 days to come

Started seeding yield
nursery;

seeded all of north ^{yield} block.

Tiller plowed all land
to be used in variety &
breeding work in 1945 on
April 26 + 27, Honored
some as soon as land
had dried a few hours.

Field plowing

Friday, APRIL 28

119th Day—247 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded all of center yield
nursery block and 2 strips
of south yield block.

Took Case back to
Pine Island and ^{clear} tiller-plowed
about 20 acres on west side
of 46 acre flock.

South half of 80 acre
T. Patna field is starting to
emerge. North half shows
no sprouting.

ORD¹⁰ — 4 hrs
RRL — 4 hrs.

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 29

120th Day—246 days to come

Completed seeding nursery
yeld plots. Also seeded
Tullis' arcozona yeld expt.
and Jones upland rice. Also
bulk hybrid populations.

Sunday, APRIL 30

121st Day—245 days to come

	Clear
	Cloudy
	Rain
	Snow

P. J. Richard labor used for month

April 11 - 1 day

12 - 1

13 - 1

14 - 1

15 - 1

17 - 1

22 - 1

25 - 1

Total 8 days at \$4.00 per day

\$ 32.00.

17.50 Less \$2.50 per acre for 7 acres

\$ 14.50 highland plowed + disced for P. J.

pd by R. Dimp seen on May 1 by check

	Clear
	Cloudy
	Rain
	Snow

Monday, MAY 1

122nd Day—244 days to come

Started flushing 80 acre block
of T. Patna late in afternoon

P. J. worked in P.M.

Went by assm. to get check for
P. J. and check our bills

Tuesday, MAY 2

123rd Day—243 days to come

Clear
Cloudy
Rain
Snow

Heavy rain stopped flushing
of T Patna block

P. J. worked all day.

Drove to Siko farm in a.m. with
Henry, opened north cuts, Worked on
sandbars + field notebooks in
P. M. at P. O.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MAY 3

124th Day—242 days to come

Drained rice all day.

In A.M. John & Hunter worked
at Selt farm. In P.M.

plowed Mrs. block drains
with mule. Duplex

Melanson called about
pasturing Hart land.

P. J. worked all day

Thursday, MAY 4

125th Day—241 days to come

	Clear
	Cloudy
	Rain
	Snow

Heavy rain of 7+ inches started
raining about 5 A.M. Rained
most of day. Spent day
looking for a pump

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, MAY 5

126th Day—240 days to come

Built box pump and
started pumping water off
station about 4:30 P.M.

Water was still over all
of nursery & field plots

46. Acaec block so. P.I. very
well drained but north half
of 80 acre block still flooded.
Went down during night of
5th

Saturday, MAY 6

127th Day—239 days to come

Clear
Cloudy
Rain
Snow

Harvey was fairly well drained
by morning and by afternoon
all except a few puddles.
were well drained. plowed
drains at Sils farm 46 ac.
flood. Very much water
left on either field.

a small flood was held on
field plots for several days after
flood. By the 9th most of
this water was gone and
the rice was looking good

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, MAY 7

128th Day—238 days to come

Monday, MAY 8

129th Day—237 days to come

Clear
Cloudy
Rain
Snow

Looked over Mitchell
Bluebonnet field. Looked to
be less than $\frac{1}{2}$ stand in
most places.

Yield nursery just
starting to emerge in a
few places.

T Patna field at Selo farm
completely drained even in low
places. Only water is in bar
ditches. So. half of field is up
to about $\frac{1}{2}$ stand north half
shows just occasional plants
up. Seed still in ground has
germinated but is not far
enough along to emerge from
soil. Is still quite cool.

Clear
Cloudy
Rain
Snow

Tuesday, MAY 9

130th Day—236 days to come

Light shower in A.M. still very cool. Germination is very slow.

Field plots look very good, very few weeds and grass, and stands are good.

Rained about $\frac{1}{4}$ inch at Station in P.M. but very little water was standing in nursery except one small puddle. Probably had close to one inch at Silo farm.

Worked at P.O. in P.M. on field note books.

Wednesday, MAY 10

131st Day—235 days to come

Clear
Cloudy
Rain
Snow

Completed yield nursery
books in A.M.

Yield nursery 1st
emerged.

In P.M. painted face of
large field plot stakes with
one coat of white sign
paint.

Went over Hart land at P.I.
with meagher concerning
high-land

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, MAY 11

132nd Day—234 days to come

Trip to Silo farm.

Rice germinating after 1st rain was beginning to emerge in a few places but in most cases not through soil but most sprouts still look very good.

In PM stenciled field plot stakes and put them out. They received one coat sign paint and were not varnished.

Friday, MAY 12

133rd Day—233 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on nursery seedling
plans in a.m. got chick
(parents) ready for breeding
nursery and sorted out
F₁s. also made up
list of varieties for out field
tests.

In P.M. seeded rice
in Orchard and spring
to the acre south of
nursery.

Rained about .09
during night

	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 13

134th Day—232 days to come

I looked land for introductions
in A.M. Oscar & Richard
worked for Tullie.

ORD^{II} — 2 $\frac{1}{2}$ 3
RRL — 4 $\frac{1}{2}$

In P.M. seeded 600 +
introductions from Jones. Were
seeded in rows 8 inches apart,
with two 5-foot row sections
of each variety being sown.
A two-foot alley was left
between the two row sections.
Land was

Sunday, MAY 14

135th Day—231 days to come

Clear
Cloudy
Rain
Snow

Inspected wild-rice
plants in reservoir at LaBelle.
were approximately 75
feet along 75 feet
of reservoir and extending
out from levee about 25-
30 feet. Plants were from
14 inches to 24 inches
in height and appeared
to be in good condition.

Clear
Cloudy
Rain
Snow

Monday, MAY 15

136th Day—230 days to come

P. J. Richard labo record

may 1 = $\frac{1}{2}$

2 = 1

3 = 1

Trip to Silo farm in A.M.
Rice was mostly emerged from
soil altho still looked rather
thin on north side. 46-acre
block fairly well dried out.

In P.M. seeded P Patna sek
and B3313A1-20 on Dickman rice
south of station seeding diagram
on following page.

On Tuesday mod up outfield
yield tests + trip to Silo
farm

Tuesday, MAY 16

137th Day—229 days to come

Clear
Cloudy
Rain
Snow

57 long rows about 300 feet long
and a few short rows.

on east end there are 40 head
rows 100 feet long divided into
10-foot row-sections. are 12 rows
sel B on extreme south and 28
rows sel A.

on west 200 feet the following
starting from extreme south:

sel B (Texas Patina)

10 rows (SA-Bone meal equal)
6 rows no. fert.

6 rows SA-Bone meal

6 - rows (4-10-0)

6 - rows (SA-Bone meal)

sel A (Texas Patina)

9 rows SA-Bone meal

- sel B (Texas Patina)

5 rows SA-Bone meal
? may be meal 4-10-0 row-line (3?)

35 B 32/3 A 1-20

possibly 5) ← 2-rows SA-Bone meal ?
2-rows 4-10-0

remainder SA-Bone meal
Ft Rock cyl }

fert. with Columbia using C-A (

SA-Bone = approx 230 ft A / 4-10-0 = approx 250 ft A

Clear
Cloudy
Rain
Snow

Wednesday, MAY 17

138th Day—228 days to come

Mrs. Smythe

1215 North Houston
 Ft Worth, Texas
 c/o M. D. Smith

In a.m. worked over south
 of nursery and seeded Trullis
 dusting expt. along with some
 increase blocks of new var-
 ieties. all increase seedlings
 fertilized at rate of about
 250 #^F per acre ^B 4-10-0^{agl}
 Used Columbia C - A (-)
 also helped Hig and put in
 lines for him & dusted along
 west side of nursery

Thursday, MAY 18

139th Day—227 days to come

	Clear
	Cloudy
	Rain
	Snow

completed sowing increase
blocks on acre south of nursery.
Seed F₂ populations and
1st block of breeding
nursery. Dugested Tullis
introduction block, drained
immediately.

Trip to Selo farm.
T.P. field appeared to have
a satisfactory stand.

Oscar worked in P.M. — 4 hrs

Tullis introduction block / stemmed
on May 18 - full on May 24

	Clear
	Cloudy
	Rain
	Snow

Friday, MAY 19

140th Day—226 days to come

ORD^H

3 hrs.

seeded through 2779 on
breeding nursery when
stopped by rain. Started
to run loess on Bluebonnet
field south of P. I. also.

Malay and McClure coll'd at
P. O. regarding running
of moisture tests on several
samples of rice.

Irrigated field plots

Saturday, MAY 20

141st Day—225 days to come

Clear
Cloudy
Rain
Snow

RRL - 8 hrs.

ORD^{II} - 8 hrs.

Planted crossed seeds in
cups in greenhouse, in
a. m. worked on harvesting
Tops in P. M.

more rain

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, MAY 21

142nd Day—224 days to come

more rain

Monday, MAY 22

143rd Day—223 days to come

Clear
Cloudy
Rain
Snow

Trip to Silo farm in
a.m. T.P. field looks
very good. Good stand on
entire field (except a few
minor areas)

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MAY 23

144th Day—222 days to come

Worked on nursery logs

Wednesday, MAY 24

145th Day—221 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Worked on nursery tags

	Clear
	Cloudy
	Rain
	Snow

Thursday, MAY 25

146th Day—220 days to come

Clyde Hishman called at
Station regarding tunnel
diner.

Left at noon for Johnston
(Rice Millers Convention)

Friday, MAY 26

147th Day—219 days to come

	Clear
	Cloudy
	Rain
	Snow

at galveston, returned
to Bent in evening

material sown prior to rain
(May 17-19) 1st emerged
today fully emerged May 31

	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 27

148th Day—218 days to come

OR Dth 4 hrs.

Increase plots south of Station on
amelia Road 1st emerged on
May 24 (25% emerged on May 24)

Worked on Harvesting logs
most of day. Drove to Lido
farm in A.M.

Sunday, MAY 28

149th Day—217 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, MAY 29

150th Day—216 days to come

Worked on bonesting tops most of day
Boys completed hulling Epx BK-41
material and started putting
out stakes on yield nursery.

O. R. J^{II} - 9 hrs.

R. R. L. - 9 hrs

Tuesday, MAY 30

151st Day—215 days to come

Clear
Cloudy
Rain
Snow

Ran lines and plowed
same on 46 Acre field at
Pine Island.

met Maley, McClure and
Faulkner at Crosby Hotel in Am.

Boys completed putting out
stakes on yield nursery and
started hoeing.

O.R.P.^d - 7 hrs.

R.R.L. - 7 hrs.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MAY 31

152nd Day—214 days to come

97	423A v. good plant
98	T Pat. large seed (P.I. in 1942)
99	do
100	KxH doubled hap (3rd gen)
101	42-3796
102	425A
103	"
104	"
105	"
106	"
107	"
108	"
109	"

2 to 96 are from 3722A1-93

Started seeding remainder of
breeding nursery. completed some
also. Red burr, — Tack nur., etc.

ORP - 9 hrs.

RRL - 9 hrs.

Hanson draw-bar & tooth bar broke,
were welded Thurs. morning

Thursday, JUNE 1

Clear
Cloudy
Rain
Snow

153rd Day—213 days to come

Seeded BR-41 X EP material on W. I. block

ORD

9 hrs.

RRL

9 hrs

Archie Condon 9 hrs.

Nolan Hebert 9 hrs

Billy Roy Corbett 4 hrs.

James

11

4 hrs.

Boys hoed on field nursery

Started honoring & spring-tooth
RT. field using both tractors, W. & C.
seeded fert. tests. Seeded variety
tests in P. M.

Started flooding T. P. field at Silo
farm

	Clear
	Cloudy
	Rain
	Snow

Friday, JUNE 2

154th Day—212 days to come

Archie Condon 9 ⁴⁵/_{min} hrs.

James Corbett 3 hrs.

Billie Roy " 8 ⁴⁵/_{min} hrs.
8 ¹/₂ hrs

R. A. L.

N. R. HEBERT

11 ¹/₂ hrs.

ORD ^D

12 ¹/₂

started floating Bt field in a.m.
seeded meadow on Dishman
farm. also seeded 20 Acres
on Bt field.

Saturday, JUNE 3

155th Day—211 days to come

Clear
Cloudy
Rain
Snow

R.R.L. — 9½ hrs

ORD# — 4 hrs.

Completed seeding Bt field.

Seeded 42 acres at approx 80th
per acre. Used 55+ sacks
of fertilizer — 18 of 4-10-0 and
37+ of 4-12-6 approx 133th per A

set drill! for seed —	left 22	right 24
for fert —		

Flushed all of nursery & flooded
yeld nursery.

Water was run entire T.P. field by
Saturday night. applied Cyanamide to
small block to T.P. field

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JUNE 4

156th Day—210 days to come

Monday, JUNE 5

157th Day—209 days to come

Clear
Cloudy
Rain
Snow

Drained field plots.

ORD 10

RRL 10

Brought equipment back to station.
Started flushing Bluebonnet field
at 2 P M — Had completed flushing
by 11:30 a.m. June 6.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 6

158th Day—208 days to come

OWN

9

RRT

9

completed flushing Bluebonnet
field by noon. cut all drains
before leaving field at noon.

In P M assisted with
seeding of alga clover.

noticed much sprouting
in Bluebonnet field.

Wednesday, JUNE 7

159th Day—207 days to come

Clear
Cloudy
Rain
Snow

Seeded 1945 breeding mus. field plot land to alyce clover on June 6. Land was tilled plowed on April 27. Was tiller-plowed, disced, ^{pipe} harrowed, and rolled before seeding. Rolled after seeding.

Drill setting	Seed L - R	feet L - R
field plot acre	4 - 6	15 - 15
Breeding mus A	7 - 9	13 - 14

correct setting for seed prob. 4-6 on clean seed

In a.m. completed drawing Bluebonnet field. In P.M. worked on harvesting tags

ORD

8 1/2

RR L

8 1/2

put up line on W.T. acre + tiller-plowed just north of same

Clear
Cloudy
Rain
Snow

Thursday, JUNE 8

160th Day—206 days to come

R.B.L. 6

O.R.D.^{II} 6

A.M. put tags on nursery

P.M. transplanted F,
in field from
greenhouse

Started disc tilling Hart
land.

Pemel from Honduras visited
Station. (+ material sown May 31)
white tip block 1st emerged.

Friday, JUNE 9

161st Day—205 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys flushed white-tip blocks

ORD 18

RR L

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, JUNE 10

162nd Day—204 days to come

*Willis from Boy City visited
station in am.*

Sunday, JUNE 11

163rd Day—203 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Clear
Cloudy
Rain
Snow

Monday, JUNE 12

164th Day—202 days to come

Blue bonnet field so. of P.I. about
 50% emerged, was 1st emerged
 June 8. Looked over Sels
 farm Crop. Cyanamide application
 on T.P. field showing no
 visible effect at this date
 was applied June 3 at the rate of
 100[#] and 150[#] per acre just ahead
 of flood water. By Monday June 5
 there appeared to be a slight yellowing
 on treated area. By June 12 all
 evidence of yellowing had completely
 disappeared.

ORD

4 hrs.

RR 2

8 5

Tuesday, JUNE 13

165th Day—201 days to come

	Clear
	Cloudy
	Rain
	Snow

OR D
NR H
AR L

8
11
11

Visited doctors office in
P.M.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 14

166th Day—200 days to come

ORD 7

NRH 7

RRL 8 1/2

X-ray in PM

Richard ^{Loeb} handled water on
nursery blocks and got
ready for flooding field plots

Thursday, JUNE 15

167th Day—199 days to come

Clear
Cloudy
Rain
Snow

Started flooding field plots
and flushed white top block.

6 1/2

Raymond La Gange
worked 3 hours at 40°
Bud Berlski - 3 hrs.

Molan — 8 hrs.

P. J. Richard labor record

June 1 - 1	13 - 1
2 - 1	14 - 1/2
3 - 1	15 - 1/2
4 - 1/2	
5 - 1	Total = 9 days = \$36. ⁰⁰
6 - 1/2	Inoculated yield nursery
7 - 1/2	blocks with race-1 of
8 - 1/2	Cercospora between
9 - 1/2	
12 - 1/2	6:15 + 7:30 PM - War time

	Clear
	Cloudy
	Rain
	Snow

Friday, JUNE 16

168th Day—198 days to come

ORD 5 1/2

NRH 5 1/2

Called at doctor's office late at night
for report.

Started flushing Sila farm
Bluebonnet field at noon.

Saturday, JUNE 17

169th Day—197 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD

4 hrs.

Worked on mutation paper most
of day. Trip to Silo farm in late
P.M. — Bluebonnet field
mostly flushed. Probably completed
during night. Had started
flushing field on Friday noon.

	Clear
	Cloudy
	Rain
	Snow

Sunday, JUNE 18

170th Day—196 days to come

Watered in Greenhouse
& outside D R D^{II}

Monday, JUNE 19

171st Day—195 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD 

8 hrs.

NRH

8 hrs.

to determine
annual loss, at Brook

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, JUNE 20

172nd Day—194 days to come

ORD ^{II}

78 hrs.

NRH

4 hrs.

Wednesday, JUNE 21

173rd Day—193 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD ^e

5 1/2

NRH

4

RRL

4

	Clear
	Cloudy
	Rain
	Snow

Thursday, JUNE 22

174th Day—192 days to come

ORD⁷²

5 1/2

Friday, JUNE 23

175th Day—191 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

ORP

1 1/2 hrs.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, JUNE 24

176th Day—190 days to come

Sunday, JUNE 25

177th Day—189 days to come

	Clear
	Cloudy
	Rain
	Snow

Watered in greenhouse
& outside D R D

	Clear
	Cloudy
	Rain
	Snow

Monday, JUNE 26

178th Day—188 days to come

Drove to Dishman field with Tuller;
alotat and Hig. in A. M.

Acce. mixed alkali samples.

ORDth

8 hrs.

RRL—

1 hr.

Wyebe & morgan applied
cyanamide to Bluebonnet field

Set applicator on 2nd from
smallest hole with Farnell
wide open & in 3rd gear.

Tuesday, JUNE 27

179th Day—187 days to come

	Clear
	Cloudy
	Rain
	Snow

PRD²

6 1/2 hrs.

Worked on tetraploid
paper in a.m. drove to
Liberty & Chambers Co. in
PM with George Allstat.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 28

180th Day—186 days to come

ORD - 8

Completed tetraploid paper,
 merlon England from Lake
 Charles visited Station in
P.M. left Thursday
 morning.

Thursday, JUNE 29

181st Day—185 days to come

	Clear
	Cloudy
	Rain
	Snow

ORD - 6090

RRL - 6

	Clear
	Cloudy
	Rain
	Snow

Friday, JUNE 30

182nd Day—184 days to come

ORD — ~~8~~ 7½

RRL — 8

drove to Silo farm in
am with Byrd of
American Cyanamide Co.
Brought tractors from Silo
farm to Dart land
yild nursery plots were
drained. fairly well

Saturday, JULY 1

183rd Day—183 days to come

	Clear
	Cloudy
	Rain
	Snow

PRL-6½

Cleaned up lab +
worked on monthly
reports, etc.

P. J. Richard labor record

16 - 9

17 - 7

18 - 9

19 - 7

20 - 3

21 - 2

22 - 2

23 - 2

24 - 5

25 - 3

26 - 9

27 - 9

28 - 9

29 - 7

30 - 9

Richards struck
by lightning
Dramed T. P. field

92 hrs @ 44¢ hr. = \$40.48

	Clear
	Cloudy
	Rain
	Snow

Sunday, JULY 2

184th Day—182 days to come

ORDth - watered in
greenhouse.

Monday, JULY 3

185th Day—181 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

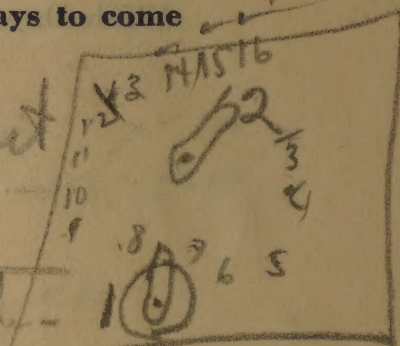
Clear
Cloudy
Rain
Snow

Tuesday, JULY 4

186th Day—180 days to come

setting of drill at start
or 2 acres

at $12\frac{1}{2}$ when good seed
was used up or $27\frac{1}{2}$ acres
at $16\frac{1}{2}$ when stopped seeding
or a grand total of $30\frac{1}{2}$ acres



Seeded 2 rounds on Alyce clover
1st sack seeded at rate of about
 $25\frac{1}{2}$ # per acre (1st 5 rounds)
Remainder of field at about $15\frac{1}{2}$ #

Drained Alyce clover

Wednesday, JULY 5

187th Day—179 days to come

Clear
Cloudy
Rain
Snow

completed seeding alyce down
Drill set at $2\frac{1}{2}$ for seed and
9 for fertilizer. 9 on feet.
gave about 100^{lb} per acre of
triple-phos.

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 6

188th Day—178 days to come

pr - green or semi pr

5094	16	-	5
5	30	-	6
6	5	-	3
7	44	-	32
8	4	-	0
9	26	-	13
00	13	-	5
01	47	-	15
02	32	-	20

03	50+	-	0
04	48	-	18
05	all pr	-	0
06	22	-	8
07	20	-	9 - 7 partly pr
08	45	-	16
09	45	-	13
10	6	-	3

11 47 - 0 - 11 partly pr H

12 all green.

13 46 - 3 - 10 "

14	116	-	9
15	all partly pr		
16	23	-	14 - 5

17	20	-	12 - 5
18	14	-	5 - 4
19	20	-	3 - 3

5 1/2 hrs
ORD

Friday, JULY 7

Clear
Cloudy
Rain
Snow

189th Day—177 days to come

pr or partly pr

5/20-	22	-	10		
21	5	-	11	-	11
22	11	-	5		
23	17	-	10	-	11
24	53	-	16	-	6
25	all purple				
26	7	-	9	-	15 partly
27	39	-	23		7 "
28	2		8		
29-49	-		18		
30	6-		17 green + blotched		

went to hospital in PM

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, JULY 8

190th Day—176 days to come

appendix operation

Sunday, JULY 9

191st Day—175 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, JULY 10

192nd Day—174 days to come

Watered yield nursery

Tuesday, JULY 11

193rd Day—173 days to come

	Clear
	Cloudy
	Rain
	Snow

started watering T. P.
and cut indigo about
this time.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JULY 12

194th Day—172 days to come

Thursday, JULY 13

195th Day—171 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JULY 14

196th Day—170 days to come

Saturday, JULY 15

197th Day—169 days to come

	Clear
	Cloudy
	Rain
	Snow

watered BB over weekend.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JULY 16

198th Day—168 days to come

Monday, JULY 17

199th Day—167 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Left Hospital in P.M.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, JULY 18

200th Day—166 days to come

1879 ...

Wednesday, JULY 19

201st Day—165 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, JULY 20

202nd Day—164 days to come

Draw to Station

Friday, JULY 21

203rd Day—163 days to come

	Clear
	Cloudy
	Rain
	Snow

From the Station

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 22

204th Day—162 days to come

Sunday, JULY 23

205th Day—161 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

England & wife drove over
from S. Charles

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, JULY 24

206th Day—160 days to come

Tuesday, JULY 25

207th Day—159 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, JULY 26

208th Day—158 days to come

Thursday, JULY 27

209th Day—157 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, JULY 28

210th Day—156 days to come

Saturday, JULY 29

211th Day—155 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, JULY 30

212th Day—154 days to come

Trip to Dickman, Hart
and Sila farms to look
at rice. A. Claver on Hart
land was coming up.
appeared to be a lot of
seed coming up.

Monday, JULY 31

213th Day—153 days to come

	Clear
	Cloudy
	Rain
	Snow

Returned to active duty

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, AUGUST 1

214th Day—152 days to come

Tullio left for Chill.

Wednesday, AUGUST 2

215th Day—151 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, AUGUST 3

216th Day—150 days to come

Wet the Sept. for child

Friday, AUGUST 4

217th Day—149 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, AUGUST 5

218th Day—148 days to come

Sunday, AUGUST 6

219th Day—147 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, AUGUST 7

220th Day—146 days to come

Tuesday, AUGUST 8

221st Day—145 days to come

	Clear
	Cloudy
	Rain
	Snow

Put out stakes on Irish
var. test. Soro matched

B.B. field,

Boys cut up rice straw
for Tullis

John started plowing
in field and went to disc
plow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, AUGUST 9

222nd Day—144 days to come

Drove to Silo farm in am
 stopped watering T. P.
 Water on BB getting rather low.
 Put out stakes on var. test
 got shot gun shells.

John started plowing on
 Hart land in P. M. with disc
 plow

Alyce clown on Hart land
 was up to a good stand

Thursday, AUGUST 10

223rd Day—143 days to come

	Clear
	Cloudy
	Rain
	Snow

John plowed on Hartland

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, AUGUST 11

224th Day—142 days to come

John plowed on Hortland

Saturday, AUGUST 12

225th Day—141 days to come

Clear
Cloudy
Rain
Snow

John plowed on hort
land until middle of
afternoon

Drained field plots,
early block

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, AUGUST 13

226th Day—140 days to come

Monday, AUGUST 14

227th Day—139 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, AUGUST 15

228th Day—138 days to come

Wednesday, AUGUST 16

229th Day—137 days to come

Clear
Cloudy
Rain
Snow

Rogued Tex as Patna at
Silo farm

Jordan, Chilton
Jahman, + Cox
visited Station

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, AUGUST 17

230th Day—136 days to come

Rogued Texas Paturo
at Silo farm and
cut Indigo from
Bluebonnet.

Bluebonnet field was
fairly well dried off at
this time

Started water on T P field.
Was beginning to get low in
a few places

Friday, AUGUST 18

231st Day—135 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, AUGUST 19

232nd Day—134 days to come

started watering Bluebonnet
field.

Sunday, AUGUST 20

233rd Day—133 days to come

	Clear
	Cloudy
	Rain
	Snow

at Birch.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, AUGUST 21

234th Day—132 days to come

Stopped water on B&B field
in P. M. and started water
back on T. P. field

De Rose was at Station.

Tuesday, AUGUST 22

235th Day—131 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Worked on drying shed

	Clear
	Cloudy
	Rain
	Snow

Wednesday, AUGUST 23

236th Day—130 days to come

Worked on drying shed.

Thursday, AUGUST 24

237th Day—129 days to come

	Clear
	Cloudy
	Rain
	Snow

Poured concrete floor in
drying shed in a.m.

Used 6 cu. ft. 2500 test
concrete at 12.00 per cu. ft.

Dr Rose left.

	Clear
	Cloudy
	Rain
	Snow

Friday, AUGUST 25

238th Day—128 days to come

Worked on drying sled.

Saturday, AUGUST 26

239th Day—127 days to come

Clear
Cloudy
Rain
Snow

Took notes and made 1 book-
cross.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, AUGUST 27

240th Day—126 days to come

Monday, AUGUST 28

241st Day—125 days to come

Clear
Cloudy
Rain
Snow

Draw early yield mus.

fix drying shed.

cut field plots

dust for Tullis

make crosses.

sow alyce clover.

Call Combs.

Call Boyt.

get fumigation vault

get pliers.

cut Jones upland & glut.

Water rice.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, AUGUST 29

242nd Day—124 days to come

Bays cut 11 field
plots

Looked over alyce clover
field on Hort land with
soil conservation man.

Wednesday, AUGUST 30

243rd Day—123 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

cut 9 varieties in
glutinous variety test

Hauled fumigation vault
from Assn. to station.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, AUGUST 31

244th Day—122 days to come

Trip to Silo farm with
Morgan. Bt just going
into hoot. T. Patna about
15-25 90 headed.

Friday, SEPTEMBER 1

245th Day—121 days to come

Clear
Cloudy
Rain
Snow

Shocked 5 plots out on
29th, tied 7.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, SEPTEMBER 2

246th Day—120 days to come

Tried & sowed remaining
field plots (6)

Boys cut remaining
3 of 2nd series earlier.

cut a number of var.
in early yield nursery

Harvested early sals
from bulk. high. plots.

Sunday, SEPTEMBER 3

247th Day—119 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Monday, SEPTEMBER 4

248th Day—118 days to come

Regned mist of day

Oscar worked

Tuesday, SEPTEMBER 5

249th Day—117 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Oscar & Ted worked.

Harvested panicles from
Oriental rice.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 6

250th Day—116 days to come

cut 2nd series of early
field plots + started cutting
yield nursery.

Draimed midseason
group field plots.

Jones and Sturges
arrived in P. M. Visited
Bluebonnet field at P. I.
Had not started to
head.

Boys

Thursday, SEPTEMBER 7

251st Day—115 days to come

	Clear
	Cloudy
	Rain
	Snow

cut in yield nursery and
also cut part of Jones
Beyland rice in P. M.

Visited Bluebonnet field
in a.m. with Willis et al
from Bay City. Was first
head on Sept 7. full
head on Sept. 18.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, SEPTEMBER 8

252nd Day—114 days to come

Boys finished cutting
Jones upland and cut
a number of single nursery
plots.

Saturday, SEPTEMBER 9

253rd Day—113 days to come

Clear
Cloudy
Rain
Snow

Boys cut Bluebonnet,
Fortuna and Caloro field
plots. —

Drained midseason
long-grain group.

Boys tightened and hauled
all cut bundles to drying
shed.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, SEPTEMBER 10

254th Day—112 days to come

Helped Jones with
milling treated rice
samples

Monday, SEPTEMBER 11

255th Day—111 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

cut 1 series Arkansas
and Kammer in field plots
shocked Bluebonnet, Calong
and Fortuna,

Jones milled rice
samples

Visited Rice Growers, asson
in P. M. to get information
for Internal Revenue for Jones.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, SEPTEMBER 12

256th Day—110 days to come

cut 12 varieties in
mid long group mixed
mixture
zones milled rice
samples

Wednesday, SEPTEMBER 13

257th Day—109 days to come

Clear
Cloudy
Rain
Snow

In a.m. hauled all bundles
cut on 12th to drying
shed.

In P.M. drove to
TPS Bluebonnet field and
also Dishman Rt field,
with Jones.

Sou - toe started

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 14

258th Day—108 days to come

Jones & Tullis left for
Arkansas.

In A.M.

In P.M. worked on
Rice Imp Assn records at
Rice Growers Office.

Friday, SEPTEMBER 15

259th Day—107 days to come

	Clear
	Cloudy
	Rain
	Snow

went to Fishman farm
after power-mower
+ we got started mowing
Alyce clover at P.I.

Barnyard grass and
mexican weeds about
18-24 inches tall +
very thick. Clover
about 12 inches tall
in some places other
places much shorter

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 16

260th Day—106 days to come

Oscar & Richard worked in
A.M. cut mix & S x N.
and 14 varieties from
mid long-grain group.

In P.M. drained mid-
med-grain block.

completed measuring lot.
on mid-med-gr. group
and late group.

W yche moved on
oyle clover.

Sunday, SEPTEMBER 17

261st Day—105 days to come

Clear
Cloudy
Rain
Snow

Base visited nursery in
a.m.

	Clear
	Cloudy
	Rain
	Snow

Monday, SEPTEMBER 18

262nd Day—104 days to come

Started morning after dinner
and broke tractor wheel.
wyche moved in P.M.
John & Hunter started
draining T. Patna

Bluebonnet field appeared
to be in full head.

Lemede started working
all bundles cut on 16th
were tightened and baled to
drying shed.

Shocked Ma and S x N

Tuesday, SEPTEMBER 19

263rd Day—103 days to come

Clear
Cloudy
Rain
Snow

Wyck completed moving
algae closer on Hot land.
John & Hunter completed
drawing P. Patna

Larnede started cutting
8326, B62-4 and 8327 in
field plots.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 20

264th Day—102 days to come

Made selections in
Bulk-hybrid plots.

Thursday, SEPTEMBER 21

265th Day—101 days to come

	Clear
	Cloudy
	Rain
	Snow

cut remainder of material
in mid-long group.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, SEPTEMBER 22

266th Day—100 days to come

Cut west series of 8326
27 and K-H sel. in a.m.

Trip. to aspen in a.m.

In P.M. shocked 2 east
series of 8326, 27 + K-H sel.
in field plots. Tied up
mid-long plots in yield
mursery that were cut on
2/24.

Saturday, SEPTEMBER 23

267th Day—99 days to come

	Clear
	Cloudy
	Rain
	Snow

Bugs worked $\frac{1}{2}$ day.
cut all but 5 var in
mid. med. group

Shocked 3 west
plots of 8326, 8327 &
K-H set in field plots.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, SEPTEMBER 24

268th Day—98 days to come

Trip with J. W. Jones to
Silo Farm & Dishman
Bt field. Bt in Var.
Test on Dishman field
is fairly well opened.
Main field is turning.
Smooth hull is a few days
behind Bt.
at Silo Farm Smooth hull is
about 2 days later heading
than BK, BR & Bt are
earlier than other material
except 8326 + 27 & KxN sil which
are earliest.

Monday, SEPTEMBER 25

269th Day—97 days to come

Clear
Cloudy
Rain
Snow

Tried up and hauled today
shed all bundles cut from
mid-med group on
23rd.

cut guards in mid-
med-group.

Draned late yield nursery
flock. Had very little water
on it when drained.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, SEPTEMBER 26

270th Day—96 days to come

cut remainder of quack in
mid-med + 3 varieties

cut BK; BK-41; and smoothell
in field plots

Wednesday, SEPTEMBER 27

271st Day—95 days to come

Clear
Cloudy
Rain
Snow

Rain, did not work in
field, alstet and Dunlap
visited Station, drove to
Dayton in P M to see
drier.

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 28

272nd Day—94 days to come

Spent P.M. at P.O. with
Allet & Dinkler. at Station
in P.M.

Friday, SEPTEMBER 29

273rd Day—93 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on annual report in
a.m. Field notes in P.M.

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 30

274th Day—92 days to come

Ascar & Richard trimmed
late yield nursery block in
a.m. and cut TP, TPbel;
and B2/B sel in field plots.

In P.M. shocked BK BK-41
and smoothell in field plots
also tied & sorted all guards
cut on Tuesday. were
in bad shape, much
sprouting & molding.
This was all guards from
mid-Med. group.

Drove to Dishman field south
of station in late P.M.

Sunday, OCTOBER 1

275th Day—91 days to come

	Clear
	Cloudy
	Rain
	Snow

To Bay with Jerry
+ J.E.B. Jr.

	Clear
	Cloudy
	Rain
	Snow

Monday, OCTOBER 2

276th Day—90 days to come

note taking and checked
TP; TPkel and B321B sel
in field plots. Harvested
F, plants

Found Cercospora on
Rexon in field plots

Tuesday, OCTOBER 3

277th Day—89 days to come

Clear
Cloudy
Rain
Snow

Took notes in a.m.

John cut late comp. plot.

In P.M. drove to Dishman.
Bluebonnet field with Truella. Saw
one River field with much
Crespon and several T.P.
fields with a few C.O. spots
present. Bluebonnet & Mira
fields visited showed very
little C.O. Mira much
freer than Bluebonnet.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, OCTOBER 4

278th Day—88 days to come

cut 28 bulk. byblids
in P.M. — Drove to
Dickman Bluebonnet field
in A.M. were just finishing
early field & going to start
late (55-acre) field.

Mr. Wall from Sky Craft
Co. of Houston visited Station in
P.M. concerning sucking me
in water with airplane.

Thursday, OCTOBER 5

279th Day—87 days to come

Clear
Cloudy
Rain
Snow

Worked on annual report &
cut 9 varieties from A
group of late varieties

Called Cass & John Heene
Co's concerning machinery
for 1945.

	Clear
	Cloudy
	Rain
	Snow

Friday, OCTOBER 6

280th Day—86 days to come

Rain, worked on annual
report and cut 15
of varieties in B group of late
varieties,

Saturday, OCTOBER 7

281st Day—85 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Rainy, hauled all bundles
in field to drying shed.
worked on annual
report

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, OCTOBER 8

282nd Day—84 days to come

Monday, OCTOBER 9

283rd Day—83 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

cut. C group varieties
in late group (15).
cut a number of singles
Jones started working

	Clear
	Cloudy
	Rain
	Snow

Tuesday, OCTOBER 10

284th Day—82 days to come

Trip to Bunt for
battery for trucks.

cut guards in late
grapes and a number
of singles.

Jones cut Delux and
T.P. in field plots

Harold. C group varieties
to drying shed.

Wednesday, OCTOBER 11

285th Day—81 days to come

Clear
Cloudy
Rain
Snow

Finished all singles +
made sub. from same
cut 3 remaining varieties
from mid-med-group.

Jones pulled stakes from
each block + helped

Trulls

cut several limb light.

plots.

Trud up field plots
+ hauled singles to drying
shed

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, OCTOBER 12

286th Day—80 days to come

Made sel. from breeding
nursery

Friday, OCTOBER 13

287th Day—79 days to come

	Clear
	Cloudy
	Rain
	Snow

Made silo in A.M.

Started combining T.P.
at Silo form in P.M.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, OCTOBER 14

288th Day—78 days to come

Combining T.P. at Sils farm

Sunday, OCTOBER 15

289th Day—77 days to come

	Clear
	Cloudy
	Rain
	Snow

completed combining T.P.
at Selo farm

Had 1147 bbls. of T.P. +
20 bbls. from pressed block.
1167 bbls on 70 acres or an
average acre yield of 16.6 bbls.

	Clear
	Cloudy
	Rain
	Snow

Monday, OCTOBER 16

290th Day—76 days to come

made sels from breeding
nursery and cut rows
from south block of same

A.B. Lang started
working in P.M.

Tuesday, OCTOBER 17

291st Day—75 days to come

Clear
Cloudy
Rain
Snow

made sub. from north
block of breeding nursery
cut rows from same

Clear
Cloudy
Rain
Snow

Wednesday, OCTOBER 18

292nd Day—74 days to come

Texas Patra

north = 1 window not pushed

South = 2 windows sel B

Remainder = sel A

completed north block ^{except for later.}

made sel. ^{from breeding} in a.m.

started cutting T.P. sel.

on Hamillon field. finished on

Friday

Thursday, OCTOBER 19

293rd Day—73 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sacked T.P. from sets form
Started at 8 a.m. stopped
6:30 P.M.

Clear
Cloudy
Rain
Snow

Friday, OCTOBER 20

294th Day—72 days to come

Drove to Dickman variety
 test in a.m. with George.

Completed cutting increase
 T.P. blocks in Hamilton field.

Were fully ripe about
 Oct 17th. Sown May 16

Brought new Case tractor
 out:

A.B. Lang did not work

Saturday, OCTOBER 21

295th Day—71 days to come

Clear
Cloudy
Rain
Snow

cut variety list at Dishmans,
Started cutting Smoothbush
Ascar & Jones helped

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, OCTOBER 22

296th Day—70 days to come

Monday, OCTOBER 23

297th Day—69 days to come

Clear
Cloudy
Rain
Snow

In a.m. took both tractors
to P.I. and started harrowing
& disking Hort land. got
1 disc from Duplex. Used
pipe-barrow, heavily weighted,
ahead of disc.

In P.M. completed cutting
Smoothbush on Dishman farm
Used 19 shocks. Yarn about
 $\frac{1}{2}$ 2.785 of an acre of Smoothbush.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, OCTOBER 24

298th Day—68 days to come

Borrowed 2nd disc from Duplex
 John & A.B. completed 26 A.
 Work at noon. In P.M.
 started working east of Canal.
 no mexican weeds were
 observed which had gone to seed.

In P.M. started threshing
 T.P. material from Hamilton
 field.

Lishman, et al started combining Blount
 a.B. Long did not work.

Wednesday, OCTOBER 25

299th Day—67 days to come

Clear
Cloudy
Rain
Snow

Completed threshing T.P. Sebs
 from Hamilton field

Fertilizer plots weighed (6 rows, 12" apart, 15' long)

Sel. B	no fert. =	58.5#	2178
	230" (SA-Bonemed) =	82.5#	3109
	250" (4-10-0) =	72.0#	2681

Head Rows Sel A = 117#

" Sel B = 46#

Sel - B (2 bags) 141 + 61 = 202

Sel - A = 117#

Sel A + B mixed — 70#
 (not fit for seed)

0 = 13.4 bbls.

SA Bon = 19.2 " = 230#	766.0
4-10-0 = 16.5 " = 250#	4.74 bbls.

15.4 bbls for entire block.

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 26

300th Day—66 days to come

Lishman, et al, completed
combining Bluebonnet about 1 P.M.

Completed cutting variety test
in Bluebonnet field in late p.m.
Started cutting same on Oct 25.

Combined fertilizer expt.
and had 19 sacks of same.

Friday, OCTOBER 27

301st Day—65 days to come

Clear
Cloudy
Rain
Snow

In A.M. cut remainder of
varieties from yield tests on
station.

In P.M. started sacking
Bluebonnet from floor of
assn warehouse. This rice
was not dried. Had $10\frac{1}{2}$
loads

John and A.B. completed
discing Hort. land. (Oct 23-27)

	Clear
	Cloudy
	Rain
	Snow

Saturday, OCTOBER 28

302nd Day—64 days to come

Completed sacking Bluebonnet
in early P. M. Had $621\frac{1}{4}$
sacks of same.
2 of sacks weighed $175\pm$ there
were 682 bbls + 24 bbls from Fed.
test or 706 bbls on 40 acres or
an average acre yield of 17.65 bbls.

Sunday, OCTOBER 29

303rd Day—63 days to come

	Clear
	Cloudy
	Rain
	Snow

Clear
Cloudy
Rain
Snow

Monday, OCTOBER 30

304th Day—62 days to come

Threshed smoothbush in
P.M. Hod 4.821 bbls.
1/2.786 A or
on
13.431 bbls. per acre.

Seeded at rate of 70.5 pounds per A
(Hod 25 lb. seed) Was soon matted too
thick

~~13.431~~
Yielded 13.431 bbls. per Acre.

Took Hugh Long spring tooth
barnow bone — Fixed
Duplex disc. —

Tuesday, OCTOBER 31

305th Day—61 days to come

Clear
Cloudy
Rain
Snow

made selections in breeding
nursery, hauled in early
crop of field plot test for
thrashing

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, NOVEMBER 1

306th Day—60 days to come

Threshed field plots
all day,

Thursday, NOVEMBER 2

307th Day—59 days to come

Clear
Cloudy
Rain
Snow

Threshed CI-8326 in A.M.
Had 5 bags. Trip to
Hickman farm. In P.M.
cut 8326-1 and K-Drogue
increase blocks and threshed
same

Clear
Cloudy
Rain
Snow

Friday, NOVEMBER 3

308th Day—58 days to come

In. A.M. completed breeding nursery and pulled all stakes preparatory to cutting remnant with binder. Was cut in P.M.

In P.M. cut 3313A1.20 increase block on Hamilton field. Was barely ripe. Threshed same on same day
measured plot 200 ft x 8 ft.
weighed 101. pounds. or $\frac{1}{2}$ 27.23A
 $\times 101 = 2750$ # per A or 16.975 bbls.

Saturday, NOVEMBER 4

309th Day—57 days to come

Clear
Cloudy
Rain
Snow

Trip to Dishman driven
a.m. made obs. from F's
in p.m. and obs. from
dormancy. tests to be started
on Monday.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, NOVEMBER 5

310th Day—56 days to come

Monday, NOVEMBER 6

311th Day—56 days to come

Clear
Cloudy
Rain
Snow

Threshed remnant from
masonry. made sels. in
fresh masonry and completed
annual report.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 7

312th Day—54 days to come

In a.m. set guard of variety
test at Dishman farm

Combined two S x N selections
on Dishman farm in p.m.

Wednesday, NOVEMBER 8

313th Day—53 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

made F2 selections

	Clear
	Cloudy
	Rain
	Snow

Thursday, NOVEMBER 9

314th Day—52 days to come

Started threshing sample

Friday, NOVEMBER 10

315th Day—51 days to come

	Clear
	Cloudy
	Rain
	Snow

Screen for monitor should
be 6 1/2 / 64

Threshed nursery samples

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, NOVEMBER 11

316th Day—50 days to come

*Threshed nursery samples
all day*

Sunday, NOVEMBER 12

317th Day—49 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, NOVEMBER 13

318th Day—48 days to come

Threshed nursery sample

Tuesday, NOVEMBER 14

319th Day—47 days to come

	Clear
	Cloudy
	Rain
	Snow

*Threshed nursery
Samples all day*

	Clear
	Cloudy
	Rain
	Snow

Wednesday, NOVEMBER 15

320th Day—46 days to come

Completed threshing
nursery samples in early
P.M.

Hauled nursery samples
to granary & placed in
fumigation vault.

A B did not work

Thursday, NOVEMBER 16

321st Day—45 days to come

	Clear
	Cloudy
	Rain
	Snow

We have started cleaning
Blue Rose seed vials by H.H.

Charged fumigation
vault with eth-di-carbide

	Clear
	Cloudy
	Rain
	Snow

Friday, NOVEMBER 17

322nd Day—44 days to come

Size of large fumigation vault
 $82 \times 44\frac{1}{2} \times 38\frac{1}{2}$ or 82 cu. ft

Use 1.6# fumigant

or 725 gms in large
 fumigation vault.

Saturday, NOVEMBER 18

323rd Day—43 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Jonis did not work

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, NOVEMBER 19

324th Day—42 days to come

Monday, NOVEMBER 20

325th Day—41 days to come

	Clear
	Cloudy
	Rain
	Snow

Drove to Stagg Supply
Co. for spring-tooth
harrows.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, NOVEMBER 21

326th Day—40 days to come

Wednesday, NOVEMBER 22

327th Day—39 days to come

	Clear
	Cloudy
	Rain
	Snow

Planted method of watering
experiment, went to see
Tony George disc.
Started working on
aspirator

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, NOVEMBER 23

328th Day—38 days to come

Friday, NOVEMBER 24

329th Day—37 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 25

330th Day—36 days to come

James worked

Sunday, NOVEMBER 26

331st Day—35 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, NOVEMBER 27

332nd Day—34 days to come

A. B. Worked on asperator

Tuesday, NOVEMBER 28

333rd Day—33 days to come

Clear
Cloudy
Rain
Snow

A. B. worked on aspirator

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Wednesday, NOVEMBER 29

334th Day—32 days to come

completed aspirator +
cleaned coop var. test
seed

Thursday, NOVEMBER 30

335th Day—31 days to come

	Clear
	Cloudy
	Rain
	Snow

Emptied fumigator (large)
and sorted all nursery
samples & hauled same to
seed room.

	Clear
	Cloudy
	Rain
	Snow

Friday, DECEMBER 1

336th Day—30 days to come

Boys cleaned a few
musey samples, worked on
shaker for rubbing off
stems.

Called at Stoggs regarding
fertilizer attach for Columbia
garden seeds. Stoggs ordered
catalogue on same.

Saturday, DECEMBER 2

337th Day—29 days to come

	Clear
	Cloudy
	Rain
	Snow

A. B. Long did not work
got $\frac{1}{2}$ horse electric motor
from Stagg Supply Co. in
P. M. Drove to Hill
Bros. after some clean
machines.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, DECEMBER 3

338th Day—28 days to come

Monday, DECEMBER 4

339th Day—27 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaned nursery samples

$\frac{1}{2}$ box annual leaves

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Tuesday, DECEMBER 5

340th Day—26 days to come

Wednesday, DECEMBER 6

341st Day—25 days to come

	Clear
	Cloudy
	Rain
	Snow

A B Long did not work
Jones cleaned mis samples

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, DECEMBER 7

342nd Day—24 days to come

Drained flooding
experiment trays, Had
been flooded 15 days.

Ordered drill ports from
I.H.C. dealer.

Friday, DECEMBER 8

343rd Day—23 days to come

	Clear
	Cloudy
	Rain
	Snow

A. B. Long started work
on truck in P.M.

George Dickman visited
station in P.M.

Went to Capt Hance to
get permit to buy small
air cooled motor.

	Clear
	Cloudy
	Rain
	Snow

Saturday, DECEMBER 9

344th Day—22 days to come

Trip to Denver, Texas
with Hig & Wyche to
inspect new drier,
Dinner at Denver School.

A B. Long did not work

Sunday, DECEMBER 10

345th Day—21 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, DECEMBER 11

346th Day—20 days to come

Tuesday, DECEMBER 12

347th Day—19 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, DECEMBER 13

348th Day—18 days to come

Thursday, DECEMBER 14

349th Day—17 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, DECEMBER 15

350th Day—16 days to come

milled (hulled, aspirated
padded and screened) 1943
Crap Tuna, 52/A2-S, 22/B40-S
and Delux.

Saturday, DECEMBER 16

351st Day—15 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on milling
equipment.

John assembled Van Brunt
(small) drill discs & beams.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Sunday, DECEMBER 17

352nd Day—14 days to come

Monday, DECEMBER 18

353rd Day—13 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Worked on milling
equipment seeded 2nd
flooding expt.

seedol autoc acid treatment
made today other growth
substances were from previous
soaking Nov 21.

Soaking was for a few
seconds only, then drained
off and seeds allowed to
dry on ^{paper} towels.

Painted some of milling
equipment

	Clear
	Cloudy
	Rain
	Snow

Tuesday, DECEMBER 19

354th Day—12 days to come

fumigated granary in
P.M. Used 6 pounds of
cyanide instead of 12^{##} s.
A. B. Long did not work.

Wednesday, DECEMBER 20

355th Day—11 days to come

Clear
Cloudy
Rain
Snow

A. B. Lang did not
work. Worked for Hig on
personal car.

Polished brown
milled on Friday.

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Thursday, DECEMBER 21

356th Day—10 days to come

Screened milled rice in
 a.m. Worked on report.
 (Luncheon table)

AB worked on Tin trap for
 greenhouse

Friday, DECEMBER 22

357th Day—9 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Saturday, DECEMBER 23

358th Day—8 days to come

*Screened mail room
 2:30 Worked on report
 (Harrison told)
 4:00 worked on Tax map for
 Greenhouse*

Sunday, DECEMBER 24

359th Day—7 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, DECEMBER 25

360th Day—6 days to come

Tuesday, DECEMBER 26

361st Day—5 days to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, DECEMBER 27

362nd Day—4 days to come

Thursday, DECEMBER 28

363rd Day—3 days to come

	Clear
	Cloudy
	Rain
	Snow

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

Friday, DECEMBER 29

364th Day—2 days to come

Saturday, DECEMBER 30

365th Day—1 day to come

☐	Clear
☐	Cloudy
☐	Rain
☐	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, DECEMBER 31

366th Day—last day of year

Special Data

Immigration vault non 17

Total

Special Data

Cash Account, January

[illegible]

On hand January 1 \$ _____
 Net Receipts for month . . \$ _____
 Net Balance - January 31 . \$ _____

Cash Account, February

[illegible]

Net Balance - January 31 . \$.....

Net Receipts for month . . \$..

Net Balance - February 29 , \$

Cash Account, March

[illegible]

Net Balance - February 29 . \$.....

Net Receipts for month . . \$.....

Net Balance - March 31 . . \$

Cash Account, April

[illegible]

Net Balance - March 31 . . \$.....

Net Receipts for month . . \$..

Net Balance - April 30 . . \$..

Cash Account, May

[illegible]

Net Balance - April 30 . . \$

Net Receipts for month . . \$

Net Balance - May 31 . . \$

Cash Account, June

[illegible]

Net Balance - May 31 . . \$

Net Receipts for month . . \$..

Net Balance - June 30 . . \$..

Cash Account, July

Date	Received	Received	Paid
6	2 qts oil		
	Total		

Net Balance - June 30 . . \$ _____
 Net Receipts for month . . \$ _____
 Net Balance - July 31 . . \$ _____

Cash Account, August

[illegible]

Net Balance - July 31 . . \$

Net Receipts for month . . \$

Net Balance - August 31 . \$ 100.00

Cash Account, September

[illegible]

Net Balance - August 31 . \$

Net Receipts for month . . \$..

Net Balance-September 30 . \$ 1,000.00

Cash Account, October

[illegible]

Net Balance-September 30 . \$.....

Net Receipts for month . . \$.....

Net Balance - October 31 . \$ 1,000.00

Cash Account, November

[illegible]

Net Balance - October 31 . \$ 1,000.00

Net Receipts for month . . \$..

Net Balance - November 30 \$ 1,000.00

Cash Account, December

[illegible]

Net Balance - November 30 \$.....

Net Receipts for month . . \$.....

Net Balance - December 31 \$

Summary of Cash Account

	Received		Paid	
On hand January 1 . . .				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total . .				

Balance as of December 31, \$.....

Insurance

Rate	Issue	Name of Company
		On hand January 1
		January
		February
		March
		April
		May
		June
		July
		August
		September
		October
		November
		December
		Total
		Balance as of December 31

Addresses

Name

Address

Telephone

Name

Address

Telephone

Name

Address

Telephone

Name

Address

Telephone

Name

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Name

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Telephone

Rules for Computing Interest

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

Two Per Cent.—Multiply the principal by the number of days to run, and divide by 180.

Two and One-half Per Cent.—Multiply by number of days and divide by 144.

Three Per Cent.—Multiply by number of days, and divide by 120.

Three and One-half Per Cent.—Multiply by number of days and divide by 103.

Four Per Cent.—Multiply by number of days and divide by 90.

Five Per Cent.—Multiply by number of days, and divide by 72.

Six Per Cent.—Multiply by number of days, and divide by 60.

Seven Per Cent.—Multiply by number of days, and divide by 52.

Eight Per Cent.—Multiply by number of days, and divide by 45.

Nine Per Cent.—Multiply by number of days, and divide by 40.

Ten Per Cent.—Multiply by number of days, and divide by 36.

Twelve Per Cent.—Multiply by number of days, and divide by 30.

Fifteen Per Cent.—Multiply by number of days and divide by 24.

Interest Tables

TWO PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	2	22
8 "	0	0	0	0	0	0	0	0	0	0	4	44
12 "	0	0	0	0	0	0	0	0	1	1	7	67
16 "	0	0	0	0	0	1	1	1	1	1	9	89
20 "	0	0	0	1	1	1	1	1	1	1	11	1.11
24 "	0	0	0	1	1	1	1	1	1	1	13	1.33
28 "	0	0	0	1	1	1	1	1	1	2	16	1.56
1 Mo.	0	0	0	1	1	1	1	1	2	2	17	1.67
2 "	0	1	1	1	1	2	2	3	3	3	33	3.33
3 "	1	1	2	2	3	3	4	4	5	5	50	5.00
4 "	1	1	2	3	3	4	5	5	6	7	67	6.67
5 "	1	2	3	3	4	5	6	7	8	8	83	8.33
6 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
1 Yr.	2	4	6	8	10	12	14	16	18	20	2.00	20.00

THREE PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	4	34
8 "	0	0	0	1	1	1	1	1	1	1	7	67
12 "	0	0	1	1	1	1	1	1	1	1	10	1.00
16 "	0	1	1	1	1	1	1	1	1	2	14	1.34
20 "	1	1	1	1	1	1	1	2	2	2	17	1.67
24 "	1	1	1	1	1	1	2	2	2	2	20	2.00
28 "	1	1	1	1	1	2	2	2	2	3	24	2.34
1 Mo.	1	1	1	1	2	2	2	2	3	3	25	2.50
2 "	1	1	2	2	3	3	4	4	5	5	50	5.00
3 "	1	2	3	3	4	5	6	6	7	8	75	7.50
4 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
5 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
6 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
1 Yr.	3	6	9	12	15	18	21	24	27	30	3.00	30.00

TWO AND ONE-HALF PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	3	28
8 "	0	0	0	0	0	0	1	1	1	1	6	56
12 "	0	0	0	0	1	1	1	1	1	1	9	84
16 "	0	0	0	1	1	1	1	1	1	1	11	1.11
20 "	0	0	1	1	1	1	1	1	2	2	14	1.14
24 "	0	0	1	1	1	1	2	2	2	2	17	1.67
28 "	0	1	1	1	1	2	2	2	2	2	20	1.70
1 Mo.	0	1	1	1	1	2	2	2	2	2	21	2.09
2 "	1	1	2	2	2	3	3	4	4	5	42	4.17
3 "	1	2	2	3	3	4	5	5	6	7	63	6.25
4 "	1	2	3	3	5	5	6	7	8	9	84	8.34
5 "	1	2	4	5	6	7	8	9	10	11	1.05	10.44
6 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
1 Yr.	3	5	8	10	13	15	18	20	23	25	2.50	25.00

SIX PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	2	3	3	3	33	3.33
24 "	1	1	1	2	2	2	3	3	4	4	40	4.00
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 Mo.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
5 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

Postal Information

Domestic Postage

Domestic rates of postage apply to all parts of the United States, which includes Hawaii and Alaska, and to its possessions, which embrace Porto Rico, the Philippines, Guam, Tutuila, the Canal Zone and the Virgin Islands of the U. S.; also to mail for officers and crew of vessels of war of the United States, and to other places where the United States mail service may be in operation.

First Class Matter. Letters and Written Matter, also other matter if sealed against postal inspection, 3c. per ounce or fraction.

Drop Letters should be mailed at rate of 2c. per ounce or fraction for delivery at letter-carrier offices, and 1c. per ounce at non-carrier offices, provided addresses are not served by rural or star route carriers.

Post Cards or Private Mailing Cards. All cards conforming to the requirements for Postal Cards whether or not they bear the words "Post Card" or "Private Mailing Card" and whether entirely in print or bearing written or typewritten messages, are subject to 1c. postage. Cards exceeding the size prescribed for private mailing or post cards and bearing the words "Post Card" or similar words, are chargeable with 2 cents or 3 cents per ounce or fraction thereof (letter rate).

Second Class Matter. (Unsealed) Newspapers and periodicals, which are "Entered as Second Class Matter". See post office for publishers rates. When mailed by public, 1 cent for each 2 ounces or fraction thereof, or the fourth class rate, whichever is lower.

Third Class Matter (Limit 8 ounces). Circulars and miscellaneous printed matter, also merchandise, 1½ cents for each 2 ounces.

Fourth Class Matter. (Parcel Post) Merchandise, farm products, books, printed matter, and all other mailable matter, weighing more than 8 ounces, not included in the first, second and third classes.

Fourth Class (Parcel Post) Zone Rates

	1st lb.	Additional 2 lbs.
Local	.07	1.0
First (0-50 miles).....	.08	add. lb. 1.1
Second (50-150 miles)....	.08	1.1
Third (150-300 miles)....	.09	2.0
Fourth (300-600 miles)....	.10	3.5
Fifth (600-1000 miles)....	.11	5.3
Sixth (1000-1400 miles)....	.12	7.0
Seventh (1400-1800 miles) .	.14	9.0
Eighth (over 1800 miles) .	.15	11.0

Size and Weight. A Parcel Post package may not exceed 100 inches in length and girth combined. The limit of weight is 70 lbs., all zones.

Special Handling. Parcels to be given special handling will be chargeable with the regular fourth class rates and 10 cents additional postage on each parcel weighing not more than 2 pounds, 15 cents on each parcel of more than 2 but not more than 10 pounds, and 20 cents on each parcel weighing more than 10 pounds. Mark "Special Handling" on package.

Special Delivery. First class: Up to 2 pounds 10c., over 2 pounds up to 10 pounds 20c. and over 10 pounds 25c.

Second, third or fourth class: Up to 2 pounds 15c., over 2 pounds up to 10 pounds 25c. and over 10 pounds 35c.

Insurance. Third and Fourth Class Matter may be insured against injury, loss or rifling in an amount equivalent to its actual value up to \$200.00 on payment of the following fees, in addition to postage.

Value \$5.00 or less, 5c.; \$5.01 to \$25.00, 10c.; \$25.01 to \$50.00, 15c.; \$50.01 to \$100.00, 25c.; \$100.01 to \$150.00, 30c.; \$150.01 to \$200.00, 35c.

Return receipt 3 cents extra; at time of mailing—5 cents after mailing.

Personal return receipt 13 cents.

Return receipt showing address where delivered 23 cents.

C. O. D. Service. Third and Fourth Class Matter and sealed domestic matter of any class, bearing postage at the first-class rate, may be sent C. O. D., and price of article and all charges thereon will be collected from the person addressed, upon delivery. C. O. D. fee is 12c., \$5.00; 17c., \$25.00; 22c., \$50.00; 32c., \$100.00; 40c., \$150.00; 45c., \$200.00.

Examination of contents is not permitted before delivery and payment of charges.

C. O. D. shipments must in all cases be based upon bona fide orders or agreements.

Registry Fee: \$5.00, 15c.; \$25.00, 18c.; \$50.00, 20c.; \$75.00, 25c.; \$100.00, 30c.; \$200.00, 40c.; \$300.00, 50c.; \$400.00, 60c.; \$500.00, 70c.; \$600.00, 80c.; \$700.00, 85c.; \$800.00, 90c.; \$900.00, 95c.; \$1000.00, \$1.00.

If registered at minimum with excess value, surcharge: \$50.00, 1c.; \$100.2c.; \$200.00, 3c.; \$400.00, 4c.; \$600.00, 5c.; \$800.00, 6c.; less than \$1000.00, 7-cents; \$1,000.00, 7 cents.

For each \$1000.00 or part \$1000.00, surcharge: 1st zone, 8c.; 2nd zone, 9c.; 3rd zone, 10c.; 4th zone, 11c.; 5th and 6th zones, 12c.; 7th and 8th zones, 13c.

Any class of mail without intrinsic value, not indemnifiable, 15c.

Second and third class matter valued in excess of \$100.00, upon which a registry fee in excess of 20 cents is paid, must be sealed and first-class postage paid thereon.

Return receipt 3 cents extra at time of mailing; 5 cents after mailing.

Personal return receipt 13 cents.

Return receipt showing address where delivered, 23 cents.

Domestic Registered mail of any class, sealed against inspection and prepaid at the letter rate of postage, may be sent C.O.D. For amount of C.O.D. charges not over \$10.00, fee 25c.; not over \$50.00, fee 30c.; not over \$100.00, fee 40c.; not over \$200.00, fee 50c. Although the amount of C. O. D. charges on domestic C. O. D. collections on Registered C. O. D. mail is limited to \$200.00, indemnity is payable in case of loss, rifling or damage for its actual value up to \$1000.00 according to the fee paid. The additional fees range from 60c. to \$1.20.

Money Order Rates

For orders from \$0.01 to \$2.50, 6c.; \$2.51 to \$5.00, 8c.; \$5.01 to \$10.00, 11c.; \$10.01 to \$20.00, 13c.; \$20.01 to \$40.00, 15c.; \$40.01 to \$60.00, 18c.; \$60.01 to \$80.00, 20c.; and from \$80.01 to \$100.00, 22c.

Airplane Service

The rate of postage on airmail is 6 cents for each ounce or fraction thereof.

All mail intended to be carried by airplane should be plainly marked, "Via Airmail", in the space immediately below the stamp or stamps and above the address.

Mail for dispatch, via airplane service will be accepted for Registration, Insurance, or to be sent C. O. D.

Foreign Postage

Letters, 5 cents for the first ounce or fraction and 3 cents for each additional ounce or fraction.

Postal cards or post cards. Single cards 3 cents each and reply-paid cards 6 cents each.

To certain foreign countries letters and post cards may be sent at a lower rate. For information regarding these rates inquire at your local Post Office or see Official Postal Guide.

Printed matter, 1½ cents each 2 ounces or fraction.

Samples of merchandise 1½ cents each 2 ounces or fraction, with a minimum charge of 3 cents.

Foreign Parcel Post

For rates of postage, weight limits, dimensions, observations and prohibitions, see the Official Postal Guide.

Custom Declarations

A Custom Declaration Form (or set of forms which will be furnished on application), must be filled out accurately describing content value, etc., of parcel. See Official Postal Guide for "group shipment" arrangement.

Parcel Post Zone Rates

WEIGHT IN POUNDS	Local rate	1st zone rate	2d zone rate	3d zone rate	4th zone rate	5th zone rate	6th zone rate	7th zone rate	8th zone rate
1.....	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2.....	.08	.10	.10	.11	.14	.17	.19	.23	.26
3.....	.08	.11	.11	.13	.17	.22	.26	.32	.37
4.....	.09	.12	.12	.15	.21	.27	.33	.41	.48
5.....	.09	.13	.13	.17	.24	.33	.40	.50	.59
6.....	.10	.14	.14	.19	.28	.38	.47	.59	.70
7.....	.10	.15	.15	.21	.31	.43	.54	.68	.81
8.....	.11	.16	.16	.23	.35	.49	.61	.77	.92
9.....	.11	.17	.17	.25	.38	.54	.68	.86	1.03
10.....	.12	.18	.18	.27	.42	.59	.75	.95	1.14
11.....	.12	.19	.19	.29	.45	.64	.82	1.04	1.25
12.....	.13	.21	.21	.31	.49	.70	.89	1.13	1.36
13.....	.13	.22	.22	.33	.52	.75	.96	1.22	1.47
14.....	.14	.23	.23	.35	.56	.80	1.03	1.31	1.58
15.....	.14	.24	.24	.37	.59	.86	1.10	1.40	1.69
16.....	.15	.25	.25	.39	.63	.91	1.17	1.49	1.80
17.....	.15	.26	.26	.41	.66	.96	1.24	1.58	1.91
18.....	.16	.27	.27	.43	.70	1.02	1.31	1.67	2.02
19.....	.16	.28	.28	.45	.73	1.07	1.38	1.76	2.13
20.....	.17	.29	.29	.47	.77	1.12	1.45	1.85	2.24
21.....	.17	.30	.30	.49	.80	1.17	1.52	1.94	2.35
22.....	.18	.32	.32	.51	.84	1.23	1.59	2.03	2.46
23.....	.18	.33	.33	.53	.87	1.28	1.66	2.12	2.57
24.....	.19	.34	.34	.55	.91	1.33	1.73	2.21	2.68
25.....	.19	.35	.35	.57	.94	1.39	1.80	2.30	2.79
26.....	.20	.36	.36	.59	.98	1.44	1.87	2.39	2.90
27.....	.20	.37	.37	.61	1.01	1.49	1.94	2.48	3.01
28.....	.21	.38	.38	.63	1.05	1.55	2.01	2.57	3.12
29.....	.21	.39	.39	.65	1.08	1.60	2.08	2.66	3.23
30.....	.22	.40	.40	.67	1.12	1.65	2.15	2.75	3.34
31.....	.22	.41	.41	.69	1.15	1.70	2.22	2.84	3.45
32.....	.23	.43	.43	.71	1.19	1.76	2.29	2.93	3.56
33.....	.23	.44	.44	.73	1.22	1.81	2.36	3.02	3.67
34.....	.24	.45	.45	.75	1.26	1.86	2.43	3.11	3.78
35.....	.24	.46	.46	.77	1.29	1.92	2.50	3.20	3.89
36.....	.25	.47	.47	.79	1.33	1.97	2.57	3.29	4.00
37.....	.25	.48	.48	.81	1.36	2.02	2.64	3.38	4.11
38.....	.26	.49	.49	.83	1.40	2.08	2.71	3.47	4.22
39.....	.26	.50	.50	.85	1.43	2.13	2.78	3.56	4.33
40.....	.27	.51	.51	.87	1.47	2.18	2.85	3.65	4.44
41.....	.27	.52	.52	.89	1.50	2.23	2.92	3.74	4.55
42.....	.28	.54	.54	.91	1.54	2.29	2.99	3.83	4.66
43.....	.28	.55	.55	.93	1.57	2.34	3.06	3.92	4.77
44.....	.29	.56	.56	.95	1.61	2.39	3.13	4.01	4.88
45.....	.29	.57	.57	.97	1.64	2.45	3.20	4.10	4.99
46.....	.30	.58	.58	.99	1.68	2.50	3.27	4.19	5.10
47.....	.30	.59	.59	1.01	1.71	2.55	3.34	4.28	5.21
48.....	.31	.60	.60	1.03	1.75	2.61	3.41	4.37	5.32
49.....	.31	.61	.61	1.05	1.78	2.66	3.48	4.46	5.43
50.....	.32	.62	.62	1.07	1.82	2.71	3.55	4.55	5.54
51.....	.32	.63	.63	1.09	1.85	2.76	3.62	4.64	5.65
52.....	.33	.65	.65	1.11	1.89	2.82	3.69	4.73	5.76
53.....	.33	.66	.66	1.13	1.92	2.87	3.76	4.82	5.87
54.....	.34	.67	.67	1.15	1.96	2.92	3.83	4.91	5.98
55.....	.34	.68	.68	1.17	1.99	2.98	3.90	5.00	6.09
56.....	.35	.69	.69	1.19	2.03	3.03	3.97	5.09	6.20
57.....	.35	.70	.70	1.21	2.06	3.08	4.04	5.18	6.31
58.....	.36	.71	.71	1.23	2.10	3.14	4.11	5.27	6.42
59.....	.36	.72	.72	1.25	2.13	3.19	4.18	5.36	6.53
60.....	.37	.73	.73	1.27	2.17	3.24	4.25	5.45	6.64
61.....	.37	.74	.74	1.29	2.20	3.29	4.32	5.54	6.75
62.....	.38	.76	.76	1.31	2.24	3.35	4.39	5.63	6.86
63.....	.38	.77	.77	1.33	2.27	3.40	4.46	5.72	6.97
64.....	.39	.78	.78	1.35	2.31	3.45	4.53	5.81	7.08
65.....	.39	.79	.79	1.37	2.34	3.51	4.60	5.90	7.19
66.....	.40	.80	.80	1.39	2.38	3.56	4.67	5.99	7.30
67.....	.40	.81	.81	1.41	2.41	3.61	4.74	6.08	7.41
68.....	.41	.82	.82	1.43	2.45	3.67	4.81	6.17	7.52
69.....	.41	.83	.83	1.45	2.48	3.72	4.88	6.26	7.63
70.....	.42	.84	.84	1.47	2.52	3.77	4.95	6.35	7.74

EXCEPTIONS:

In the first or second zone, where the distance by the shortest regular practicable mail route is 300 miles or more, the rate is 9 cents for the first pound and 2 cents for each additional pound.

On parcels collected on rural routes the postage is 2 cents less per parcel than shown in the foregoing table when for local delivery and 3 cents less per parcel when for other than local delivery.

Parcels weighing less than 10 pounds measuring over 84 inches, but not more than 100 inches in length and girth combined, are subject to a minimum charge equal to that for a 10-pound parcel for the zone to which addressed.

AIRWAY MAP OF THE UNITED STATES

SHOWING AIR MAIL ROUTES



Weights and Measures

APOTHECARIES' WEIGHT

20 grains.....1 scruple	8 drams.....1 ounce
3 scruples.....1 dram	12 ounces.....1 pound

Ounce and pound are the same as in Troy Weight

AVOIRDUPOIS WEIGHT

27-11/32 grains...1 dram	25 pounds...1 quarter
16 drams.....1 ounce	4 quarters...1 cwt.
16 ounces.....1 pound	2,000 lbs...1 short ton
2,240 pounds.....1 long ton	

TROY WEIGHT

24 grains	1 dwt.
20 dwts.....1 ounce	12 ounces.....1 pound

Used for weighing gold, silver and jewels

CLOTH MEASURE

2 1/4 inches.....1 nail	4 nails.....1 quarter
4 quarters.....1 yard	

CUBIC MEASURE

1,728 cubic inches.....1 cubic foot	
27 cubic feet.....1 cubic yard	
128 cubic feet.....1 cord (wood)	
40 cubic feet.....1 ton (shipping)	
2,150.42 cubic inches.....1 standard bushel	
231 cubic inches.....1 U. S. standard gallon	
1 cubic foot.....about 4/5 of a bushel	

DRY MEASURE

2 pints	1 quart	4 pecks	1 bushel
8 quarts	1 peck	36 bushels.....1 chaldron	

LIQUID MEASURE

4 gills	1 pint	4 quarts	1 gallon
2 pints	1 quart	31 1/2 gallons.....1 barrel	
2 barrels			1 hogshead

LONG MEASURE

12 inches.....1 foot	40 rods.....1 furlong
3 feet.....1 yard	8 furlongs...1 sta. mile
5 1/2 yards.....1 rod	3 miles.....1 league

MARINERS' MEASURE

6 feet=1 fathom...	120 fathoms=1 cable length
7 1/2 cable lengths.....	1 mile
5,280 feet.....	1 statute mile
6,085 feet.....	1 nautical mile

PAPER MEASURE

24 sheets, 1 quire; 20 quires, 1 ream (480 sheets)	
2 reams.....1 bundle	5 bundles.....1 bale

SQUARE MEASURE

144 sq. inches....1 sq. ft.	40 sq. rods.1 rood
9 sq. ft.....1 sq. yard	4 roods....1 acre
30 1/4 sq. yards....1 sq. rod	640 acres...1 sq. mile

SURVEYORS' MEASURE

7.92 inches.....	1 link
25 links.....	1 rod
4 rods.....	1 chain
10 sq. chains or 160 sq. rods.....	1 acre
640 acres.....	1 sq. mile
36 sq. miles (6 miles sq.).....	1 township

TIME MEASURE

60 seconds=1 minute.....	60 minutes=1 hour
24 hours=1 day.....	7 days=1 week
28, 29, 30 or 31 days.....	1 calendar month
30 days=1 month.....	in computing interest
365 days=1 year.....	366 days=1 leap year

MISCELLANEOUS

3 inches=1 palm.....	4 inches=1 hand
6 inches=1 span.....	18 inches=1 cubit
21.6 inches.....	1 Bible cubit
2 1/2 feet.....	1 military pace

METRIC EQUIVALENTS—Linear Measure

1 centimeter.....	0.3937 inch
1 inch.....	2.54 centimeters
1 decimeter.....	3.937 inches.....0.328 foot
1 foot.....	3.048 decimeters
1 meter.....	39.37 inches.....1.0936 yards
1 yard.....	0.9144 meter
1 dekameter.....	1.9884 rods
1 rod.....	0.5029 dekameter
1 kilometer.....	0.62137 mile
1 mile.....	1.6093 kilometers

Square Measure

1 square centimeter.....	0.1550 square inch
1 square inch.....	6.452 square centimeters
1 square decimeter.....	0.1076 square foot
1 square foot.....	9.2903 square decimeters
1 square meter.....	1.196 square yards
1 square yard.....	0.8361 square meter
1 are	3.954 square rods
1 square rod.....	0.2529 are
1 hectare.....	2.47 acres
1 acre.....	0.4047 hectare
1 square kilometer.....	0.386 square mile
1 square mile.....	2.59 square kilometers

Measure of Volume

1 cubic centimeter.....	0.061 cubic inch
1 cubic inch.....	16.39 cubic centimeters
1 cubic decimeter.....	0.0353 cubic foot
1 cubic foot.....	28.317 cubic decimeters
1 cubic meter.....	1.308 cubic yards
1 cubic yard.....	0.7646 cubic meter
1 stere.....	0.2759 cord
1 cord.....	3.624 steres
1 liter=0.908 quart dry.....	1.0567 quarts liquid
1 quart dry.....	1.101 liters
1 quart liquid.....	0.9463 liter
1 dekaliter=2.6417 gallons.....	135 pecks
1 gallon.....	0.3785 dekaliter
1 peck.....	0.881 dekaliter
1 hectoliter.....	2.8375 bushels
1 bushel.....	0.3524 hectoliter

Weights

1 gram.....	0.03527 ounce
1 ounce.....	28.35 grams
1 kilogram.....	2.2046 pounds
1 pound.....	0.4536 kilogram
1 metric ton.....	1.1023 English tons
1 English ton.....	0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

1 decimeter.....	4 inches
1 liter.....	1.06 quarts liquid, 0.9 quart dry
1 meter.....	1.1 yards
1 kilometer.....	3/4 of a mile
1 hectoliter.....	2 1/2 bushels
1 kilogram.....	2-1/5 pounds
1 stere, or cubic meter.....	1/4 of a cord
1 metric ton.....	2,200 pounds

TEMPERATURES

Fahrenheit

Milk	Freezes 30° above Zero
Water	Freezes 32° above Zero
Olive Oil	Freezes 36° above Zero
Wines	Freeze 20° above Zero
Vinegar	Freezes 28° above Zero

Alcohol	Boils at 173° above Zero
Blood Heat	98.4° above Zero
Eggs Hatch	104° above Zero
Water	Boils at 212° above Zero
Petroleum	(average) Boils at 306° above Zero

Capitals of The States

State and Capital	Ent'd Union
Alabama—Montgomery	Dec. 14, 1819
Arizona—Phoenix	Feb. 14, 1912
Arkansas—Little Rock	June 15, 1836
California—Sacramento	Sept. 9, 1850
Colorado—Denver	Aug. 1, 1876
Connecticut—Hartford	Jan. 9, 1788
Delaware—Dover	Dec. 7, 1787
Dist. of Columbia—Washington	July 16, 1790
Florida—Tallahassee	Mar. 3, 1845
Georgia—Atlanta	Jan. 3, 1788
Idaho—Boise	July 3, 1890
Illinois—Springfield	Dec. 3, 1818
Indiana—Indianapolis	Dec. 11, 1818
Iowa—Des Moines	Dec. 28, 1846
Kansas—Topeka	Jan. 29, 1861
Kentucky—Frankfort	June 1, 1792
Louisiana—Baton Rouge	Apr. 30, 1812
Maine—Augusta	Mar. 15, 1820
Maryland—Annapolis	Apr. 28, 1788
Massachusetts—Boston	Feb. 6, 1788
Michigan—Lansing	Jan. 26, 1837
Minnesota—St. Paul	May 11, 1858
Mississippi—Jackson	Dec. 10, 1817
Missouri—Jefferson City	Aug. 10, 1821

State and Capital	Ent'd Union
Montana—Helena	Nov. 8, 1889
Nebraska—Lincoln	Mar. 1, 1867
Nevada—Carson City	Oct. 31, 1864
New Hampshire—Concord	June 21, 1788
New Jersey—Trenton	Dec. 18, 1787
New Mexico—Santa Fe	Jan. 6, 1912
New York—Albany	July 26, 1788
North Carolina—Raleigh	Nov. 21, 1789
North Dakota—Bismarck	Nov. 2, 1889
Ohio—Columbus	Feb. 19, 1803
Oklahoma—Oklahoma City	Nov. 16, 1907
Oregon—Salem	Feb. 14, 1859
Pennsylvania—Harrisburg	Dec. 12, 1787
Rhode Island—Providence	May 29, 1790
South Carolina—Columbia	May 23, 1788
South Dakota—Pierre	Nov. 2, 1889
Tennessee—Nashville	June 1, 1796
Texas—Austin	Dec. 29, 1845
Utah—Salt Lake City	Jan. 4, 1896
Vermont—Montpelier	Mar. 4, 1791
Virginia—Richmond	June 26, 1788
Washington—Olympia	Nov. 11, 1889
West Virginia—Charleston	June 20, 1863
Wisconsin—Madison	May 29, 1848
Wyoming—Cheyenne	July 11, 1890

Business Laws

Principals are responsible for the acts of their agents within the actual or apparent scope of given authority. Individual partners are each individually liable for the whole of firm obligations. The acts of any or all partners within the scope of firm business measure the firm obligations.

The word "limited" in connection with firm names indicates a limitation of the usual liability.

Laws vary in the different states concerning contracts made on Sunday and only certain transactions are voidable.

Contracts concerning land must be in writing. A contract with a minor or lunatic is generally void.

A promise in an agreement, to be enforced, requires consideration. Consideration is something given or promised in exchange for the promise which is being enforced. An act or promise which is illegal will not constitute a valid consideration.

Notes bear interest only after maturity, unless otherwise stated. Demand notes are payable when presented, without grace, and bear legal interest after demand.

The fact that a note is lost or stolen does not cancel the obligation. The maker, however, may demand a bond for his protection before making payment.

An endorsement "without recourse" merely releases the endorser from the guaranty of payment usually imposed upon him. He still warrants the note to be genuine and his right to endorse.

An instrument is not invalid for the reason only that it is ante-dated or post-dated, provided this is not done for any illegal or fraudulent purpose. If a note is materially altered by the holder, it becomes void but it does not avoid liability as to all parties.

The words "value received" are not necessary in a note.

The endorser of a negotiable instrument are liable only after due notice of dishonor. An instrument is dishonored if not paid upon presentment to the maker when due. Prompt notice of dishonor must be given the endorser. Generally stated, the notice of dishonor must be given actually or mailed within 24 hours. Notice of protest (presentment and non-payment) may be sent either to the place of business or residence of the party notified. If a letter containing notice of protest or dishonor be properly mailed, it is sufficient notice even though it miscarries.

Signatures with a lead pencil are good in law, but inadvisable. While a receipt for money is not conclusive of its payment, it requires clear evidence to rebut same.

In the hands of a holder in due course, a note fraudulently obtained, may or may not be a defense to the instrument.

When contracts are reduced to writing, understandings cannot be shown which are not in the writing.

Points of Constitutional Laws

Congress must meet at least once a year.

Congress may admit as many new States as desired.

One State cannot undo the act of another.

By the constitution every citizen is guaranteed a speedy trial by jury

A power which is vested in Congress alone cannot be exercised by a State.

One State must respect the legal decisions and laws of another.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Bills for revenue can originate only in the House of Representatives, but the Senate may propose or concur with amendments.

Treaties with foreign powers are made by the President and ratified by the Senate.

The territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate, has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both Houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

An officer of the United States Government is not permitted to accept any title of nobility, order of honor except with the permission of Congress.

Amendments to the Constitution of the United States require a two-thirds vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be at least 35 years of age; a Senator, 30; a Congressman, 25. The President must have been a resident within the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened) against domestic trouble.

Distances from New York to Cities in United States

The distance herein shown is that via the quickest route and the lines carrying the bulk of the mails

Cities in U. S.	Miles	Cities in U. S.	Miles	Cities in U. S.	Miles
Albany, N. Y.....	145	Fargo, N. Dak.....	1,613	Pittsburgh, Pa.....	441
Albuquerque, N. Mex.	2,260	Ft. Worth, Tex.....	1,773	Portland, Me.....	341
Alliance, Neb.....	1,875	Galveston, Tex.....	1,764	Portland, Ore.....	3,162
Amarillo, Tex.....	1,920	Grand Rapids, Mich..	779	Prescott, Ariz.....	2,724
Atlanta, Ga.....	876	Greensboro, N. C.....	515	Providence, R. I.....	189
Atlantic City, N. J....	143	Harrisburg, Pa.....	196	Reno, Nev.....	2,936
Augusta, Me.....	402	Hartford, Conn.....	112	Richmond, Va.....	343
Baltimore, Md.....	187	Helena, Mont.....	2,438	Roanoke, Va.....	452
Birmingham, Ala.....	990	Hot Springs, Ark.....	1,367	St. Louis, Mo.....	1,053
Bismarck, N. Dak.....	1,753	Indianapolis, Ind.....	812	St. Paul, Minn.....	1,307
Boise, Idaho.....	2,783	Ishpeming, Mich.....	1,354	Salt Lake City, Utah..	2,452
Boston, Mass.....	232	Jackson, Miss.....	1,239	San Francisco, Cal....	3,180
Bristol, Tenn.....	604	Jacksonville, Fla.....	982	Santa Fe, N. Mex.....	2,173
Buffalo, N. Y.....	396	Kansas City, Mo.....	1,331	Savannah, Ga.....	845
Burlington, Vt.....	303	Little Rock, Ark.....	1,291	Seattle, Wash.....	3,107
Butte, Mont.....	2,498	Los Angeles, Calif....	3,111	Sheridan, Wyo.....	2,209
Cape May, N. J.....	174	Louisville, Ky.....	865	Shreveport, La.....	1,456
Carson City, Nev.....	3,016	Manchester, N. H.....	290	Sioux Falls, S. Dak...	1,507
Charleston, S. C.....	736	Memphis, Tenn.....	1,158	Spokane, Wash.....	2,787
Charleston, W. Va.....	614	Milwaukee, Wis.....	994	Springfield, Ill.....	1,009
Chattanooga, Tenn....	853	Mobile, Ala.....	1,229	Springfield, Mass.....	136
Cheyenne, Wyo.....	1,913	Montpelier, Vt.....	327	Superior, Wis.....	1,427
Chicago, Ill.....	909	Newark, N. J.....	9	Syracuse, N. Y.....	290
Cincinnati, O.....	751	New Orleans, La.....	1,345	Tacoma, Wash.....	3,125
Cleveland, O.....	579	Norfolk, Va.....	347	Tampa, Fla.....	1,190
Columbus, O.....	624	Ogden, Utah.....	2,397	Topeka, Kans.....	1,409
Concord, N. H.....	292	Oklahoma, Okla.....	1,596	Trenton, N. J.....	57
Cumberland, Md.....	378	Omaha, Neb.....	1,397	Vicksburg, Miss.....	1,288
Deadwood, S. Dak....	1,957	Parkersburg, W. Va..	600	Vinita, Okla.....	1,412
Denver, Colo.....	1,943	Pendleton, Ore.....	3,017	Washington, D. C....	227
Des Moines, Ia.....	1,267	Philadelphia, Pa.....	92	Wheeling, W. Va.....	496
Detroit, Mich.....	648	Phoenix, Ariz.....	2,724	Wichita, Kans.....	1,565
Duluth, Minn.....	1,522			Wilmington, Del.....	117
El Paso, Tex.....	2,298			Wilmington, N. C.....	593

Distances and Mail Time to Foreign Cities from New York

By Postal Route to—	Statute Miles	Days	By Postal Route to—	Statute Miles	Days
Adelaide, via Vancouver.....	11,843	32	Hong Kong	10,453	23
Alexandria, via London.....	6,135	17	Honolulu	5,599	12
Amsterdam, via London.....	4,043	11	Liverpool	3,707	10
Antwerp, via London.....	4,015	11	London	3,812	9
Athens, via London.....	5,432	18	Madrid	4,851	13
Bahia, Brazil	4,709	17	Melbourne	11,253	31
Bangkok, Siam	14,039	38	Mexico City	3,760	6
Batavia, Java	11,991	35	Panama	2,323	7
Berlin	4,597	12	Paris	3,946	10
Bombay	9,434	25	Petrograd	5,039	18
Bremen	4,294	11	Quebec, Que.	555	2
Buenos Ayres	6,914	18	Rio de Janeiro	5,493	13
Calcutta	11,324	28	Rome	4,854	14
Cape Town	11,033	27	Rotterdam	4,016	10
Constantinople	5,809	22	San Juan, Porto Rico.....	1,611	5
Florence	4,683	13	Shanghai	9,530	23
Glasgow	3,656	10	Stockholm	5,405	15
Greytown, via New Orleans.....	2,816	11	Sydney	11,496	30
Halifax, N. S.....	686	2	Valparaiso	5,335	21
Hamburg	4,317	11	Vienna	4,795	14
Havana	1,560	3	Yokohama, via San Francisco.....	8,717	18

Actual Rate of Income

on Dividend-Paying Stocks at Various Prices Par Value \$100.00

Pr.	1%	2%	3%	4%	5%	6%	7%	8%	Price	3%	4%	5%	6%	7%	8%	10%	12%
10	10%	20%	30%	40%	50%	60%	70%	80%	89	3.37	4.49	5.62	6.74	7.87	8.99	11.24	13.48
11	9.09	18.18	27.27	36.36	45.45	54.55	63.64	72.73	90	3.33	4.44	5.56	6.67	7.78	8.89	11.11	13.33
12	8.33	16.67	25.00	33.33	41.67	50.00	58.34	66.67	91	3.30	4.40	5.49	6.59	7.69	8.79	11.98	13.18
13	7.69	15.38	23.08	30.77	38.46	46.15	53.85	61.54	92	3.26	4.35	5.43	6.52	7.61	8.70	10.87	13.04
14	7.14	14.29	21.43	28.57	35.71	42.86	50.00	57.14	93	3.23	4.30	5.38	6.45	7.53	8.60	10.75	12.90
15	6.67	13.33	20.00	26.67	33.33	40.00	46.67	53.33	94	3.19	4.26	5.32	6.38	7.45	8.51	10.64	12.77
16	6.25	12.50	18.75	25.00	31.25	37.50	43.75	50.00	95	3.16	4.21	5.26	6.32	7.37	8.42	10.53	12.63
17	5.88	11.76	17.65	23.53	29.41	35.29	41.18	47.06	96	3.13	4.17	5.21	6.25	7.29	8.33	10.42	12.50
18	5.56	11.11	16.67	22.22	27.78	33.33	38.89	44.44	97	3.09	4.12	5.15	6.19	7.22	8.25	10.31	12.37
19	5.26	10.53	15.79	21.05	26.32	31.58	36.84	42.11	98	3.06	4.08	5.10	6.12	7.14	8.16	10.20	12.24
20	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	99	3.03	4.04	5.05	6.06	7.07	8.08	10.10	12.12
21	4.76	9.52	14.29	19.05	23.81	28.57	33.33	38.00	100	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00
22	4.55	9.09	13.64	18.18	22.73	27.27	31.82	36.36	101	2.97	3.96	4.95	5.94	6.93	7.92	9.90	11.88
23	4.35	8.70	13.04	17.39	21.74	26.09	30.43	34.78	102	2.94	3.92	4.90	5.88	6.86	7.84	9.80	11.76
24	4.16	8.33	12.50	16.67	20.83	25.00	29.17	33.33	103	2.91	3.88	4.85	5.83	6.80	7.77	9.71	11.65
25	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	104	2.88	3.85	4.81	5.77	6.73	7.69	9.62	11.54
26	3.85	7.69	11.54	15.39	19.23	23.08	26.92	30.77	105	2.86	3.81	4.76	5.71	6.67	7.62	9.52	11.43
27	3.70	7.41	11.11	14.81	18.52	22.22	25.93	29.63	106	2.83	3.77	4.72	5.66	6.60	7.55	9.43	11.32
28	3.57	7.14	10.71	14.29	17.86	21.43	25.00	28.57	107	2.80	3.74	4.67	5.61	6.54	7.48	9.34	11.21
29	3.45	6.90	10.34	13.79	17.24	20.69	24.14	27.59	108	2.78	3.70	4.63	5.56	6.48	7.41	9.26	11.11
30	3.33	6.67	10.00	13.33	16.67	20.00	23.33	26.67	109	2.75	3.67	4.59	5.50	6.42	7.34	9.17	11.01
31	3.23	6.45	9.68	12.90	16.13	19.35	22.58	25.81	110	2.73	3.64	4.55	5.45	6.36	7.27	9.09	10.90
32	3.13	6.25	9.38	12.50	15.63	18.75	21.88	25.00	112½	2.67	3.56	4.44	5.33	6.22	7.11	8.89	10.67
33	3.03	6.06	9.09	12.12	15.15	18.18	21.21	24.24	115	2.61	3.48	4.35	5.22	6.09	6.96	8.70	10.43
34	2.94	5.88	8.82	11.76	14.71	17.65	20.58	23.53	117½	2.55	3.40	4.26	5.11	5.96	6.81	8.51	10.21
35	2.86	5.71	8.57	11.43	14.29	17.14	20.00	22.86	120	2.50	3.33	4.17	5.00	5.83	6.67	8.33	10.00
36	2.78	5.56	8.33	11.11	13.89	16.67	19.44	22.22	122½	2.45	3.27	4.08	4.90	5.71	6.53	8.16	9.80
37	2.70	5.41	8.11	10.81	13.51	16.22	18.92	21.62	125	2.40	3.20	4.00	4.80	5.60	6.40	8.00	9.60
38	2.63	5.26	7.89	10.53	13.16	15.79	18.42	21.05	127½	2.35	3.14	3.92	4.71	5.49	6.27	7.84	9.41
39	2.56	5.13	7.69	10.26	12.82	15.38	17.95	20.51	130	2.31	3.08	3.85	4.62	5.38	6.15	7.69	9.23
40	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	132½	2.26	3.02	3.77	4.53	5.28	6.04	7.55	9.06
41	2.44	4.88	7.32	9.76	12.20	14.63	17.07	19.51	135	2.22	2.96	3.71	4.44	5.19	5.93	7.41	8.89
42	2.38	4.76	7.14	9.52	11.90	14.29	16.67	19.05	137½	2.18	2.91	3.64	4.36	5.09	5.82	7.27	8.73
43	2.33	4.65	6.98	9.30	11.63	13.97	16.28	18.60	140	2.14	2.86	3.57	4.29	5.00	5.71	7.14	8.57
44	2.27	4.55	6.82	9.09	11.36	13.64	15.91	18.18	142½	2.11	2.81	3.51	4.21	4.91	5.61	7.02	8.42
45	2.22	4.44	6.67	8.89	11.11	13.33	15.56	17.78	145	2.07	2.76	3.45	4.14	4.83	5.52	6.90	8.28
46	2.17	4.35	6.52	8.70	10.87	13.04	15.22	17.35	147½	2.03	2.71	3.39	4.07	4.75	5.42	6.78	8.14
47	2.13	4.26	6.38	8.51	10.64	12.77	14.89	17.02	150	2.00	2.67	3.33	4.00	4.67	5.33	6.67	8.00
48	2.08	4.17	6.25	8.33	10.42	12.50	14.58	16.67	152½	1.97	2.62	3.28	3.93	4.59	5.25	6.56	7.87
49	2.04	4.08	6.12	8.16	10.20	12.24	14.28	16.33	155	1.94	2.58	3.23	3.87	4.52	5.16	6.45	7.74
50	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	160	1.88	2.50	3.13	3.75	4.38	5.00	6.25	7.50
51	1.96	3.92	5.88	7.84	9.80	11.76	13.73	15.69	165	1.82	2.42	3.03	3.64	4.24	4.85	6.06	7.27
52	1.92	3.85	5.77	7.69	9.62	11.54	13.46	15.38									
53	1.89	3.77	5.66	7.55	9.43	11.32	13.21	15.09									
54	1.85	3.70	5.56	7.41	9.26	11.11	12.96	14.82									
55	1.82	3.64	5.45	7.27	9.09	10.91	12.73	14.55									
56	1.79	3.57	5.36	7.14	8.93	10.72	12.50	14.29									
57	1.75	3.51	5.26	7.02	8.77	10.53	12.28	14.04									
58	1.72	3.45	5.17	6.90	8.62	10.34	12.07	13.79									
59	1.69	3.39	5.08	6.78	8.47	10.17	11.86	13.56									
60	1.67	3.33	5.00	6.67	8.34	10.00	11.67	13.34									
61	1.64	3.28	4.92	6.56	8.20	9.84	11.48	13.11									
62	1.61	3.23	4.84	6.45	8.06	9.68	11.29	12.90									
63	1.59	3.17	4.76	6.35	7.94	9.52	11.11	12.70									
64	1.56	3.13	4.69	6.25	7.81	9.38	10.94	12.50									
65	1.54	3.08	4.62	6.15	7.69	9.23	10.77	12.31									
66	1.52	3.03	4.55	6.06	7.58	9.09	10.61	12.12									
67	1.49	2.99	4.49	5.97	7.46	8.96	10.45	11.94									
68	1.47	2.94	4.41	5.88	7.35	8.81	10.29	11.76									
69	1.45	2.90	4.35	5.80	7.25	8.70	10.14	11.59									
70	1.43	2.86	4.29	5.71	7.14	8.57	10.00	11.43									
71	1.41	2.82	4.23	5.63	7.04	8.45	9.86	11.27									
72	1.39	2.78	4.17	5.56	6.94	8.33	9.72	11.11									
73	1.37	2.74	4.11	5.48	6.85	8.22	9.59	10.96									
74	1.35	2.70	4.05	5.41	6.76	8.11	9.46	10.81									
75	1.33	2.67	4.00	5.33	6.67	8.00	9.33	10.67									
76	1.32	2.63	3.95	5.26	6.58	7.89	9.21	10.53									
77	1.30	2.60	3.90	5.19	6.49	7.79	9.09	10.39									
78	1.28	2.56	3.85	5.13	6.41	7.69	8.97	10.26									
79	1.27	2.53	3.80	5.06	6.33	7.59	8.86	10.13									
80	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00									
81	1.23	2.47	3.70	4.94	6.17	7.41	8.64	9.88									
82	1.22	2.44	3.66	4.88	6.10	7.32	8.54	9.76									
83	1.20	2.41	3.61	4.82	6.02	7.23	8.43	9.64									
84	1.19	2.38	3.57	4.76	5.95	7.14	8.33	9.52									
85	1.18	2.35	3.53	4.71	5.88	7.06	8.24	9.41									
86	1.16	2.33	3.49	4.65	5.81	6.98	8.14	9.30									
87	1.15	2.30	3.45	4.60	5.75	6.90	8.05	9.20									
88	1.14	2.27	3.41	4.55	5.68	6.82	7.95	9.09									

Price	4%	5%	6%	7%	8%	10%	12%	14%
170	2.35	2.94	3.53	4.12	4.71	5.88	7.06	8.24
175	2.29	2.86	3.43	4.00	4.57	5.71	6.86	8.00
180	2.22	2.78	3.33	3.89	4.44	5.56	6.67	7.78
185	2.16	2.70	3.24	3.78	4.32	5.41	6.49	7.57
190	2.11	2.63	3.16	3.68	4.21	5.26	6.32	

USEFUL INFORMATION.

To find diameter of a circle multiply circumference by .31831.
 To find circumference of a circle multiply diameter by 3.1416.
 To find area of a circle multiply square of diameter by .7854.
 To find surface of a ball multiply square of diameter by 3.1416.
 To find side of an equal square multiply diameter by .8862.
 To find cubic inches in a ball multiply cube of diameter by .5236.
 Doubling the diameter of a pipe increases its capacity four times.
 Double riveting is from 16 to 20 per cent. stronger than single.
 One cubic foot of anthracite coal weighs about 53 pounds.
 One cubic foot of bituminous coal weighs from 47 to 50 pounds.
 One ton of coal is equivalent to two cords of wood for steam purposes.
 A gallon of water (U. S. Standard) weighs 8 1/4 lbs. and contains 231 cubic inches.
 There are nine square feet of heating surface to each square foot of grate surface.
 A cubic foot of water contains 7 1/2 gallons 1728 cubic inches, and weighs 62 1/2 lbs.
 Each nominal horse power of a boiler requires 30 to 35 lbs. of water per hour.
 To sharpen dull files lay them in dilute sulphuric

acid until they are eaten deep enough.
 A horse power is equivalent to raising 33,000 lbs. one foot per minute, or 550 lbs. one foot per second.
 The average consumption of coal for steam boilers is 12 lbs. per hour for each square foot of grate surface.
 To find the pressure in pounds per square inch of a column of water, multiply the height of the column in feet by .434.
 Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 lbs. to the square inch).
 To evaporate one cubic foot of water requires the consumption of 7 1/2 lbs. of ordinary coal, or about 1 lb. of coal to 1 gallon of water.
 One sixth of tensile strength of plate multiplied by thickness of plate and divided by one-half the diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.
 One-half the diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.
 No plate or bars of either Steel or Iron should be worked at a black or blue heat (say about 500°); the material will stand far more strain either red hot or cold, while at an intermediate point great risks will be run, and possibly strains produced which result in rupture later on.

USEFUL INFORMATION FOR CONTRACTORS.

One thousand shingles, laid four inch to the weather, will cover one hundred square feet of surface and five lbs. of shingle nails will fasten them on.

One-fifth more siding and flooring is needed than the number of square feet of surface to be covered because of the lap in siding and flooring.

One thousand laths will cover seventy yards of surface and eleven pounds of lath nails will nail them on.

Eight bushels of good lime, sixteen bushels of sand and one bushel of hair will make enough good mortar to plaster 100 square yards.

One cord of stone, three bushels of lime and a cubic yard of sand will lay one hundred cubic feet of wall.

Cement one bushel, and sand two bushels, will cover 3 1/2 square yards, one inch thick; 4 1/2 square yards 3/4 inch thick, and 6 1/2 square yards 1/2 inch thick.

One bushel of cement and one bushel of sand will cover 2 1/2 square yards one inch thick; 3 square yards 3/4 inch thick, and 4 1/2 square yards 1/2 inch thick.

AMOUNT OF PAINT REQUIRED FOR A GIVEN SURFACE.

It is impossible to give a rule that will apply in all cases, as the amount varies with the kind and the thickness of the paint, the kind of wood or other material to which it is applied, the age of the surface, etc. The following is an approxi-

mate rule: Divide the number of square feet of surface by 200. The result will be the number of gallons of liquid paint required to give two coats: or divide by 18 and the result will be the number of pounds of pure ground white lead required to give three coats.

ROOF ELEVATIONS

By the "pitch" of a roof is meant the relation which the height of the ridge above the level of the roof-plates bears to the span, or the distance between the studs on which the roof rests.

The length of rafters for the most common pitches can be found as follows from any given span:

If 1/4 pitch,	multiply span by .559	or 7-13 nearly.
If 1/2 "	" "	" .5 " 3-5 "
If 3/4 "	" "	" .625 " 5-8 "
If 1 "	" "	" .71 " 7-10 "
If 1 1/4 "	" "	" .8 " 4-5 "
If full "	" "	" 1.12 " 1.18 "

To length thus obtained must be added amount of projections of rafters at the eaves.

As the rafters must be purchased of even lengths, a few inches more or less on their length will make a difference to the pitch so slight that it cannot be detected by the eye.

Example—To determine the length of rafters for a roof constructed, one-half pitch, with a span of 24 ft.— $24 \times .71 = 17.04$; or, practically, just 17 feet. A projection of one foot for eaves makes the length to be purchased 18 feet.

PAINTER, GLAZIER and PAPER-HANGER.

One pound of paint will cover about four superficial yards the first coat, and about six yards each additional coat.

About one pound of putty for stopping, will be

required for every twenty yards.

One gallon of tar and one pound of pitch will cover about twelve yards superficial the first coat, and about seventeen yards each additional coat.

Calculating Speed of Pulleys

I.—The diameter of the driver and driven being given, to find the number of revolutions of the driven.

Rule—Multiply the diameter of the driver by its number of revolutions, and divide the product by the diameter of the driven; the quotient will be the number of revolutions.

II.—The diameter and the revolutions of the driver being given to find the diameter of the driven, that shall make any given number of revolutions

in the same time.

Rule—Multiply the diameter of the driver by its number of revolutions, and divide the product by the number of revolutions of the driven; the quotient will be its diameter.

III.—To ascertain the size of the driver.

Rule—Multiply the diameter of the driven by the number of revolutions you wish to make, and divide the product by the revolutions of the driver; the quotient will be the size of the driver.

CENSUS 1940

Cities in U. S. A. of 15,000 and over

Aberdeen, S. D.	17,015	Beverly, Mass.	25,537	Columbia, S. C.	62,396
Aberdeen, Wash.	18,846	Biddeford, Me.	19,790	Columbus, Ga.	53,280
Abilene, Tex.	26,612	Billings, Mont.	23,261	Columbus, Ohio	306,087
Abington, Pa.	20,857	Biloxi, Miss.	17,475	Compton, Cal.	16,198
Ada, Okla.	15,143	Binghamton, N.Y.	73,309	Concord, N. C.	15,572
Akron, Ohio	244,791	Birmingham, Ala.	267,583	Concord, N. H.	27,171
Alameda, Cal.	36,256	Bismarck, N. D.	15,496	Corning, N. Y.	16,212
Albany, Ga.	19,055	Bloomfield, N. J.	41,623	Cor. Christi, Tex.	57,301
Albany, N. Y.	130,577	Bloomington, Ill.	32,863	Corsicana, Tex.	15,232
Albuquerque, N.M.	35,449	Bloomington, Ind.	20,870	Cortland, N. Y.	15,881
Alexandria, La.	27,066	Bluefield, W. Va.	20,641	Coun. Bluffs, Ia.	41,439
Alexandria, Va.	33,523	Blue Island, Ill.	16,638	Covington, Ky.	62,018
Alhambra, Cal.	38,935	Boise City, Idaho	26,130	Cranston, R. I.	47,085
Aliquippa, Pa.	27,023	Boston, Mass.	770,816	Cumberland, Md.	39,483
Allentown, Pa.	96,904	Bradock, Pa.	18,326	Cuyahoga Falls, O.	20,546
Alliance, Ohio	22,405	Bradford, Pa.	17,691	Dallas, Tex.	294,734
Alton, Ill.	31,255	Braintree, Mass.	16,378	Danbury, Conn.	22,339
Altoona, Pa.	80,214	Brem'ton, Wash.	15,134	Danville, Ill.	36,919
Amarillo, Tex.	51,686	Bridgeport, Conn.	147,121	Danville, Va.	32,749
Ambridge, Pa.	18,968	Bridgeton, N. J.	15,992	Davenport, Ia.	66,039
Amsterdam, N. Y.	33,329	Bristol, Conn.	30,167	Dayton, Ohio	210,718
Anderson, Ind.	41,572	Brocton, Mass.	62,343	Daytona Bch, Fla.	22,584
Anderson, S. C.	19,424	Brookline, Mass.	49,786	Dearborn, Mich.	63,584
Ann Arbor, Mich.	29,815	Brownsville, Tex.	22,083	Decatur, Ala.	16,604
Anniston, Ala.	25,523	Brownswick, Ga.	15,035	Decatur, Ga.	16,561
Ansonia, Conn.	19,210	Buffalo, N. Y.	575,901	Decatur, Ill.	59,305
Appleton, Wis.	28,436	Burbank, Cal.	34,337	Dedham, Mass.	15,508
Ardmore, Okla.	16,886	Burlingame, Cal.	15,940	Denison, Tex.	15,581
Arlington, Mass.	40,013	Burlington, Ia.	25,832	Denver, Colo.	322,412
Arlington, Va.	57,040	Burlington, Vt.	27,686	Des Moines, Ia.	159,819
Asheville, N. C.	51,310	Butler, Pa.	24,477	Detroit, Mich.	1,623,452
Ashland, Ky.	29,537	Butte, Mont.	37,081	Dothan, Ala.	17,194
Ashtabula, Ohio	21,405	Cambridge, Mass.	110,879	Dubuque, Ia.	43,892
Athens, Ga.	20,650	Cambridge, Ohio	15,044	Duluth, Minn.	101,065
Atlanta, Ga.	302,288	Camden, N. J.	117,536	Dunkirk, N. Y.	17,713
Atlantic City, N.J.	64,094	Canton, Ohio	103,401	Dunmore, Pa.	23,086
Attleboro, Mass.	22,071	Cape Gir'd'u, Mo.	19,426	Duquesne, Pa.	20,693
Auburn, Me.	19,817	Carbondale, Pa.	19,371	Durham, N. C.	60,195
Auburn, N. Y.	35,753	Casper, Wyo.	17,964	East Chicago, Ind.	54,637
Augusta, Ga.	65,919	Cedar Rapids, Ia.	62,120	E. Cleveland, O.	39,495
Augusta, Me.	19,360	Central Falls, R.I.	25,248	E. Hartford, Conn.	18,615
Aurora, Ill.	47,170	Centralia, Ill.	16,343	E. Liverpool, O.	23,555
Austin, Minn.	18,307	Champaign, Ill.	23,302	Easton, Pa.	33,589
Austin, Tex.	87,930	Charleston, S. C.	71,275	East Orange, N. J.	68,945
Bakersfield, Cal.	29,252	Ch'leston, W. Va.	67,914	E. Provid., R. I.	32,165
Baltimore, Md.	859,100	Charlotte, N. C.	100,899	E. St. Louis, Ill.	75,609
Bangor, Me.	29,822	Charl'tesv'le, Va.	19,400	Eau Claire, Wis.	30,745
Barberton, Ohio	24,028	Chat'ooga, Tenn.	128,163	El Dorado, Ark.	15,858
Bartlesville, Okla.	16,267	Chelsea, Mass.	41,259	Elgin, Ill.	38,333
Batavia, N. Y.	17,267	Cheltenham, Pa.	19,082	Elizabeth, N. J.	109,912
Baton Rouge, La.	34,719	Chester, Pa.	59,285	Elkhart, Ind.	33,434
Battle C'k, Mich.	43,453	Cheyenne, Wyo.	22,474	Elmhurst, Ill.	15,458
Bay City, Mich.	47,956	Chicago, Ill.	3,396,808	Elmira, N. Y.	45,106
Bayonne, N. J.	79,198	Chicago Hts., Ill.	22,461	El Paso, Tex.	96,810
Beaumont, Tex.	59,061	Chicopee, Mass.	41,664	Elyria, Ohio	25,120
Beaver Falls, Pa.	17,098	Chillicothe, Ohio	20,129	Endicott, N. Y.	17,702
Belleville, Ill.	28,405	Cicero, Ill.	64,712	Englewood, N. J.	18,966
Belleville, N. J.	28,167	Cincinnati, Ohio	455,610	Enid, Okla.	28,081
Bell'gham, Wash.	29,314	Clairton, Pa.	16,381	Erie, Pa.	116,955
Belmont, Mass.	26,867	Clarksb'g, W. Va.	30,579	Euclid, Ohio	17,866
Beloit, Wis.	25,365	Cleveland, Ohio	878,336	Eugene, Ore.	20,838
Belvedere, Cal.	37,192	Cleveland Hts., O.	54,992	Eureka, Cal.	17,055
Ben. H'bor, Mich.	16,668	Cliffside Pk., N. J.	16,892	Evanston, Ill.	65,389
Berkeley, Cal.	85,547	Clifton, N. J.	48,827	Evansville, Ind.	97,062
Berlin, N. H.	19,084	Clinton, Ia.	26,270	Everett, Mass.	46,784
Berwyn, Ill.	48,451	Coffeyville, Kan.	17,355	Everett, Wash.	30,224
Bessemer, Ala.	22,826	Cohoes, N. Y.	21,955	Fairmont, W. Va.	23,105
Bethlehem, Pa.	58,490	Colo. Spgs., Colo.	36,789	Fall River, Mass.	115,428
Beverly Hills, Cal.	26,823	Columbia, Mo.	18,399		

Census 1940 - Continued

Fargo, N. D....	32,580	Houston, Tex.	384,514	Logansport, Ind..	20,177
Fayetteville, N. C.	17,428	Hunt'ton, W. Va.	78,836	Long Beach, Cal..	164,271
Ferndale, Mich..	22,523	Hunting. Pk., Cal.	28,648	Long Branch, N.J.	17,408
Findlay, Ohio....	20,228	Hutchinson, Kan..	30,013	Lorain, Ohio.....	44,125
Fitchburg, Mass..	41,824	Idaho Falls, Idaho	15,024	Los Ang'les, Cal..	504,277
Flint, Mich.....	151,543	Independence, Mo.	16,066	Louisville, Ky....	319,077
Florence, Ala.....	15,043	Indian'olis, Ind..	386,972	Lowell, Mass.	101,389
Florence, S. C....	16,054	Inglewood, Cal....	30,114	Lower Merion, Pa.	39,566
Fd. du Lac, Wis..	27,209	Iowa City, Ia....	17,182	Lubbock, Tex.	31,853
Ft. Dodge, Ia....	22,904	Irondequoit, N.Y.	23,376	Lynchburg, Va....	44,541
Ft. Laud'le, Fla.	17,996	Ironton, Ohio.....	15,851	Lyndhurst, N. J.	17,454
Fort Smith, Ark.	36,584	Irrington, N. J..	55,328	Lynn, Mass.....	98,123
Ft. Wayne, Ind..	118,410	Ithaca, N. Y....	19,730		
Ft. Worth, Tex..	177,662			Macon, Ga.....	57,865
Fram'ham, Mass.	23,214	Jackson, Mich. ...	49,656	Madison, Wis.	67,447
Frederick, Md. ...	15,802	Jackson, Miss....	62,107	Malden, Mass....	58,010
Freeport, Ill.....	22,366	Jackson, Tenn....	24,332	Manchester, N. H.	77,685
Freeport, N. Y....	20,410	Jacksonville, Fla.	173,065	Manitowoc, Wis..	24,404
Fresno, Cal.....	60,685	Jacksonville, Ill..	19,844	Mankato, Minn....	15,654
		Jamestown, N. Y.	42,638	Mansfield, Ohio..	37,154
Gadsden, Ala.....	36,975	Janessville, Wis.	22,992	Maplewood, N. J.	23,139
Galesburg, Ill....	28,876	Jeannette, Pa. ...	16,220	Marion, Ind.....	26,767
Galveston, Tex..	60,862	Jeff'rson City, Mo.	24,268	Marion, Ohio.....	30,817
Gardner, Mass....	20,206	Jer. City, N. J..	301,173	Marshall, Tex. ...	18,410
Garfield, N. J....	28,044	John. City, N. Y.	18,039	Marshalltown, Ia.	19,240
Garfield Hts., O.	16,989	John. City, Tenn.	22,763	Mart'sb'g. W. Va.	15,063
Gary, Ind.....	111,719	Johnstown, Pa....	66,668	Mason City, Ia....	27,080
Gastonia, N. C....	21,313	Joliet, Ill.....	42,365	Massillon, Ohio..	26,644
Geneva, N. Y....	15,555	Joplin, Mo.....	37,144	Mattoon, Ill.....	15,827
Glendale, Cal....	82,582			Maywood, Ill....	26,648
Glens Falls, N.Y.	18,836	Kalamazoo, Mich.	54,097	McKeesport, Pa..	55,355
Gloucester, Mass.	24,046	Kankakee, Ill....	22,241	McKees Rocks, Pa.	17,021
Gloversville, N. Y.	23,329	Kan. City, Kan..	121,458	Meadville, Pa. ...	18,919
Goldsboro, N. C.	17,274	Kan. City, Mo....	399,178	Medford, Mass....	63,083
Gd. Forks, N. D.	20,228	Kearny, N. J....	39,467	Melrose, Mass....	25,333
Gd. Island, Neb..	19,130	Kenmore, N. Y....	18,612	Memphis, Tenn....	292,942
G. R'pids, Mich..	164,292	Kenosha, Wis. ...	48,765	Meriden, Conn....	39,494
Granite City, Ill.	22,974	Keokuk, Ia.....	15,076	Meridian, Miss....	35,481
Great Falls, Mont.	29,928	Kewanee, Ill....	16,901	Methuen, Mass....	21,880
Greeley, Colo....	15,995	Kingston, N. Y..	28,589	Miami, Fla.....	172,172
Green Bay, Wis..	46,235	Kingston, Pa. ...	20,679	Miami Bch., Fla.	28,012
Greenfield, Mass.	15,672	Kinston, N. C....	15,388	Mich. City, Ind..	26,476
Greensboro, N. C.	59,319	Kl'ath Falls, Ore.	16,497	Middletown, Conn.	26,495
Greensburg, Pa..	16,743	Knoxville, Tenn.	111,580	Middletown, N. Y.	21,908
Greenville, Miss.	20,892	Kokomo, Ind.....	33,795	Middletown, Ohio	31,220
Greenville, S. C.	34,734			Milford, Mass....	15,388
Gulfport, Miss....	15,195			Milton, Mass.....	18,708
		Lackawanna, N.Y.	24,058	Milwaukee, Wis..	587,472
Hackensack, N. J.	26,279	La Crosse, Wis..	42,707	Min'polis, Minn.	492,370
Hagerstown, Md..	32,491	Lafayette, Ind....	28,798	Minot, N. D.....	16,577
Hamilton, Ohio....	50,592	Lafayette, La....	19,210	Mishawaka, Ind..	28,298
Hammond, Ind. ...	70,184	La Grange, Ga....	21,983	Missoula, Mont..	18,449
Hamtra'ck, Mich.	49,839	Lake Charles, La.	21,207	Mobile, Ala.....	78,720
Hannibal, Mo....	20,865	Lakeland, Fla....	22,068	Modesto, Cal.....	16,379
Hanover, Pa.	16,439	Lakewood, Ohio..	69,160	Moline, Ill.....	34,608
Harrisburg, Pa....	83,893	Lancaster, Ohio..	21,940	Monessen, Pa....	20,257
Hartford, Conn..	166,267	Lancaster, Pa. ...	61,345	Monroe, La.....	28,309
Harvey, Ill.....	17,878	Lansing, Mich. ...	78,753	Monroe, Mich....	18,478
Hastings, Neb....	15,145	La Porte, Ind....	16,180	Montclair, N. J..	39,807
Hattiesburg, Miss.	21,026	Laredo, Tex.	39,274	Montgomery, Ala.	78,084
Haverford, Pa....	27,594	Laurel, Miss.....	20,598	Morg't'n, W. Va.	16,655
Haverhill, Mass..	46,752	Lawrence, Mass..	84,323	Morristown, N. J.	15,270
Hazleton, Pa.	38,009	Lawton, Okla....	18,055	Mt. Carmel, Pa..	17,730
Helena, Mont....	15,056	Leavenworth, Kan.	19,220	Marlb'ugh, Mass.	15,154
Hempstead, N. Y.	20,856	Lebanon, Pa.	27,206	Marquette, Mich.	15,928
Hibbing, Minn....	16,385	Leominster, Mass.	22,226	Mt. Lebanon, Pa.	19,571
High'd Pk. Mich.	50,810	Lewiston, Me. ...	38,598	Mt. Vernon, N.Y.	67,362
High Point, N.C.	38,495	Lexington, Ky....	49,304	Muncie, Ind.....	49,720
Hillside, N. J....	18,556	Lima, Ohio.....	44,711	Muscatine, Ia....	18,286
Hoboken, N. J....	50,115	Lincoln, Neb....	81,984	Muskegon, Mich..	47,697
Holyoke, Mass....	53,750	Lincoln Pk., Mich.	15,236	M'k'n Hts., Mich.	16,047
Homestead, Pa....	19,041	Linden, N. J....	24,115	Muskogee, Okla..	32,332
Hornell, N. Y....	15,649	Little Rock, Ark.	88,039		
Hot Springs, Ark.	21,370	Lockport, N. Y..	24,379	Nanticoke, Pa. ...	24,387

Census 1940 - Continued

Nashua, N. H....	32,927	Phenix City, Ala....	15,351	S. Antonio, Tex....	253,854
Nashville, Tenn....	167,402	Phila., Pa.	1,931,334	San Bern., Cal....	43,646
Natchez, Miss....	15,296	Phillipsburg, N. J....	18,314	San Diego, Cal....	203,341
Naugatuck, Conn....	15,388	Phoenix, Ariz....	65,414	Sandusky, Ohio....	24,874
New Albany, Ind....	25,414	Pine Bluff, Ark....	21,290	San Fran., Cal....	634,536
Newark, N. J....	429,760	Piqua, Ohio....	16,049	San Jose, Cal....	68,457
Newark, Ohio....	31,487	Pittsburg, Kan....	17,571	San Mateo, Cal....	19,403
N. Bedr'd, Mass....	110,341	Pittsburgh, Pa....	671,659	Santa Ana, Cal....	31,921
N. Britain, Conn....	68,685	Pittsfield, Mass....	49,684	Santa Bar., Cal....	34,958
N. Brunswick, N.J....	33,180	Pittston, Pa.	17,828	Santa Cruz, Cal....	16,896
Newburgh, N. Y....	31,883	Plainfield, N. J....	37,469	Santa Fe, N. M....	20,325
New Castle, Ind....	16,620	Plains, Pa.	15,621	Santa Monica, Cal....	53,500
New Castle, Pa....	47,638	Plattsburgh, N. Y....	16,351	S. Ste. Mar., Mich....	15,847
N. Haven, Conn....	160,605	Plymouth, Pa.	15,507	Savannah, Ga....	95,996
N. Kens'ton, Pa....	24,055	Pocatello, Idaho....	18,133	Schenectady, N.Y....	87,549
N. London, Conn....	30,456	Pomona, Cal....	23,539	Scranton, Pa.	140,404
New Orleans, La....	494,537	Ponca City, Okla....	16,794	Seattle, Wash....	368,302
Newport, Ky....	30,631	Pontiac, Mich....	66,626	Sedalia, Mo....	20,428
Newport, R. I....	30,532	Pt. Arthur, Tex....	46,140	Selma, Ala....	19,834
Newport News, Va....	37,067	Pt. Chester, N. Y....	23,073	Shaker Hts., O....	23,393
N. Rochelle, N.Y....	58,408	Pt. Huron, Mich....	32,759	Shamokin, Pa.	18,810
Newton, Mass....	69,873	Portland, Me....	73,643	Sharon, Pa.	25,622
New York, N. Y....	7,454,995	Portland, Ore....	305,394	Shawnee, Okla....	22,053
Niag. Falls, N.Y....	78,029	Portsmouth, Ohio....	40,466	Sheboygan, Wis....	40,638
Niles, Ohio....	16,273	Portsmouth, Va....	50,745	Shenandoah, Pa....	19,790
Norfolk, Va.	144,332	Pottstown, Pa....	20,194	Sherman, Tex....	17,156
Norristown, Pa.	38,181	Pottsville, Pa.	24,530	Shorewood, Wis....	15,184
No. Adams, Mass....	22,213	P'ghkeepsie, N.Y....	40,478	Shreveport, La....	98,167
North'pton, Mass....	24,794	Providence, R. I....	253,504	Sioux City, Ia....	82,364
No. Bergen, N. J....	39,714	Provo, Utah	18,071	Sioux Falls, S. D....	40,832
No. Braddock, Pa....	15,679	Pueblo, Colo....	52,162	Somerv'le, Mass....	102,177
No. Lit. Rock, Ark....	21,137	Quincy, Ill....	40,469	So. Bend, Ind....	101,268
No. To'w'da, N.Y....	20,254	Quincy, Mass....	75,810	Southb'dge, Mass....	16,825
Norwalk, Conn....	39,849	Racine, Wis.	67,195	South Gate, Cal....	26,945
Norwich, Conn....	23,652	Rahway, N. J....	17,498	So. Portland, Me....	15,781
Norwood, Mass....	15,383	Raleigh, N. C....	46,897	Spart'burg, S. C....	32,249
Norwood, Ohio....	34,010	Reading, Pa.	110,568	Spokane, Wash....	122,001
Nutley, N. J....	21,954	Reno, Nev....	21,317	Springfield, Ill....	75,503
Oakland, Cal....	302,163	Revere, Mass....	34,405	Spr'gfield, Mass....	149,554
Oak Park, Ill....	66,015	Richmond, Cal....	23,642	Springfield, Mo....	61,238
Ogden, Utah	43,688	Richmond, Ind....	35,147	Springfield, Ohio....	70,662
Ogdensburg, N. Y....	16,346	Richmond, Va....	193,042	Stamford, Conn....	47,938
Oil City, Pa....	20,379	Riv. R'uge, Mich....	17,008	Staunton, Va.	15,337
Okla. City, Okla....	204,424	Riverside, Cal....	34,696	Steubenville, Ohio....	37,651
Okmulgee, Okla....	16,051	Roanoke, Va.	69,287	Stevens Pt., Wis....	15,777
Olean, N. Y....	21,506	Rochester, Minn....	26,312	Stockton, Cal....	54,714
Omaha, Neb....	223,844	Rochester, N. Y....	324,975	Stratford, Conn....	22,580
Orange, N. J....	35,717	Rockford, Ill....	84,637	Summit, N. J....	16,165
Orlando, Fla....	36,736	Rock Hill, S. C....	15,009	Sumter, S. C.	15,874
Oshkosh, Wis....	39,089	Rock Island, Ill....	42,775	Sunbury, Pa.	15,462
Ossining, N. Y....	15,996	Rock Centre, N.Y....	18,613	Superior, Wis....	35,136
Oswego, N. Y....	22,062	Rocky Mt., N. C....	25,568	Swissvale, Pa.	15,919
Ottawa, Ill....	16,005	Rome, Ga....	26,282	Syracuse, N. Y....	205,967
Ottumwa, Ia....	31,570	Rome, N. Y....	34,214	Tacoma, Wash....	109,408
Owensboro, Ky....	30,245	Royal Oak, Mich....	25,087	Tallahassee, Fla....	16,240
Paducah, Ky....	33,765	Rutherford, N. J....	15,466	Tampa, Fla....	108,391
Palo Alto, Cal....	16,774	Rutland, Vt.	17,082	Taunton, Mass....	37,395
Paris, Tex....	18,678	Sacramento, Cal....	105,958	Teaneck, N. J....	25,275
Park'sb'g, W. Va....	30,103	Saginaw, Mich....	82,794	Temple, Tex.	15,344
Parma, Ohio....	16,365	St. Cloud, Minn....	24,173	Terre Haute, Ind....	62,693
Pasadena, Cal....	81,864	St. Joseph, Mo....	75,711	Texarkana, Tex....	17,019
Passaic, N. J....	61,394	St. Louis, Mo....	816,048	Tiffin, Ohio....	16,102
Patterson, N. J....	139,656	St. Paul, Minn....	287,736	Toledo, Ohio....	282,349
Pawtucket, R. I....	75,797	St. Petersb'g, Fla....	60,812	Topeka, Kan....	67,833
Peabody, Mass....	21,711	Salem, Mass....	41,213	Torrington, Conn....	26,988
Peekskill, N. Y....	17,311	Salem, Ore.	30,908	Trenton, N. J....	124,697
Pekin, Ill....	19,407	Salina, Kan....	21,073	Troy, N. Y....	70,304
Pennsauken, N. J....	17,745	Salisbury, N. C....	19,037	Tucson, Ariz....	36,818
Pensacola, Fla....	37,449	S. Lake C., Utah....	149,934	Tulsa, Okla.	142,157
Peoria, Ill....	105,087	San Angelo, Tex....	25,802	Tuscaloosa, Ala....	27,493
Perth Amboy, N.J....	41,242			Tyler, Tex.	28,279
Petersburg, Va.	30,631			Union, N. J....	24,730

Census 1940 - Continued

Union City, N. J.	56,173
Uniontown, Pa.	21,819
Univ'ity City, Mo.	33,023
Upper Darby, Pa.	56,883
Utica, N. Y.	100,518
Valdosta, Ga.	15,595
Vallejo, Cal.	20,072
Val Stream, N.Y.	16,679
Vancouver, Wash.	18,788
Vicksburg, Miss.	24,460
Vincennes, Ind.	18,228

Waco, Tex.	55,982
Wakefield, Mass.	16,223
W. Walla, Wash.	18,109
Waltham, Mass.	40,020
Warren, Ohio.	42,837
Warwick, R. I.	28,757
Washington, D. C.	663,091
Washington, Pa.	26,166
Waterbury, Conn.	99,314
Waterloo, Ia.	51,743
Watertown, Mass.	35,427
Watertown, N. Y.	33,385
Waterville, Me.	16,688
Watervliet, N. Y.	16,114
Waukegan, Ill.	34,241
Waukesha, Wis.	19,242
Wausau, Wis.	27,268
Wauwatosa, Wis.	27,769
Waycross, Ga.	16,763
Webster G'ves, Mo.	18,394
Wellesley, Mass.	15,127
West Allis, Wis.	36,364
Westfield, N. J.	18,458
Westfield, Mass.	18,793
W. Hartford, Conn.	33,776
W. Haven, Conn.	30,021
West N. Y., N. J.	39,439
W. Orange, N. J.	25,662
W. Palm B., Fla.	33,693
W. Sp'gfd, Mass.	17,135
W. Warwick, R.I.	18,188
Weymouth, Mass.	23,868
Wheeling, W. Va.	61,099
W'te Plains, N.Y.	40,327
Whittier, Cal.	16,115
Wichita, Kan.	114,966
Wich. Falls, Tex.	45,112
Wilkes-Barre, Pa.	86,236
Wilkinsburg, Pa.	29,853
Williamsport, Pa.	44,355
Wilmette, Ill.	17,226
Wilmington, Del.	112,504
Wilmington, N. C.	33,407
Wilson, N. C.	19,234
Winchester, Mass.	15,081
Winona, Minn.	22,490
Win.-Salem, N.C.	79,815
Winthrop, Mass.	16,768
Woburn, Mass.	19,751
Woodbridge, N. J.	27,191
Woonsocket, R. I.	49,303
Worcester, Mass.	193,694
Wyandotte, Mich.	30,618
Yakima, Wash.	27,221
Yonkers, N. Y.	142,598
York, Pa.	56,712
Youngstown, Ohio.	167,720
Zanesville, Ohio.	37,500

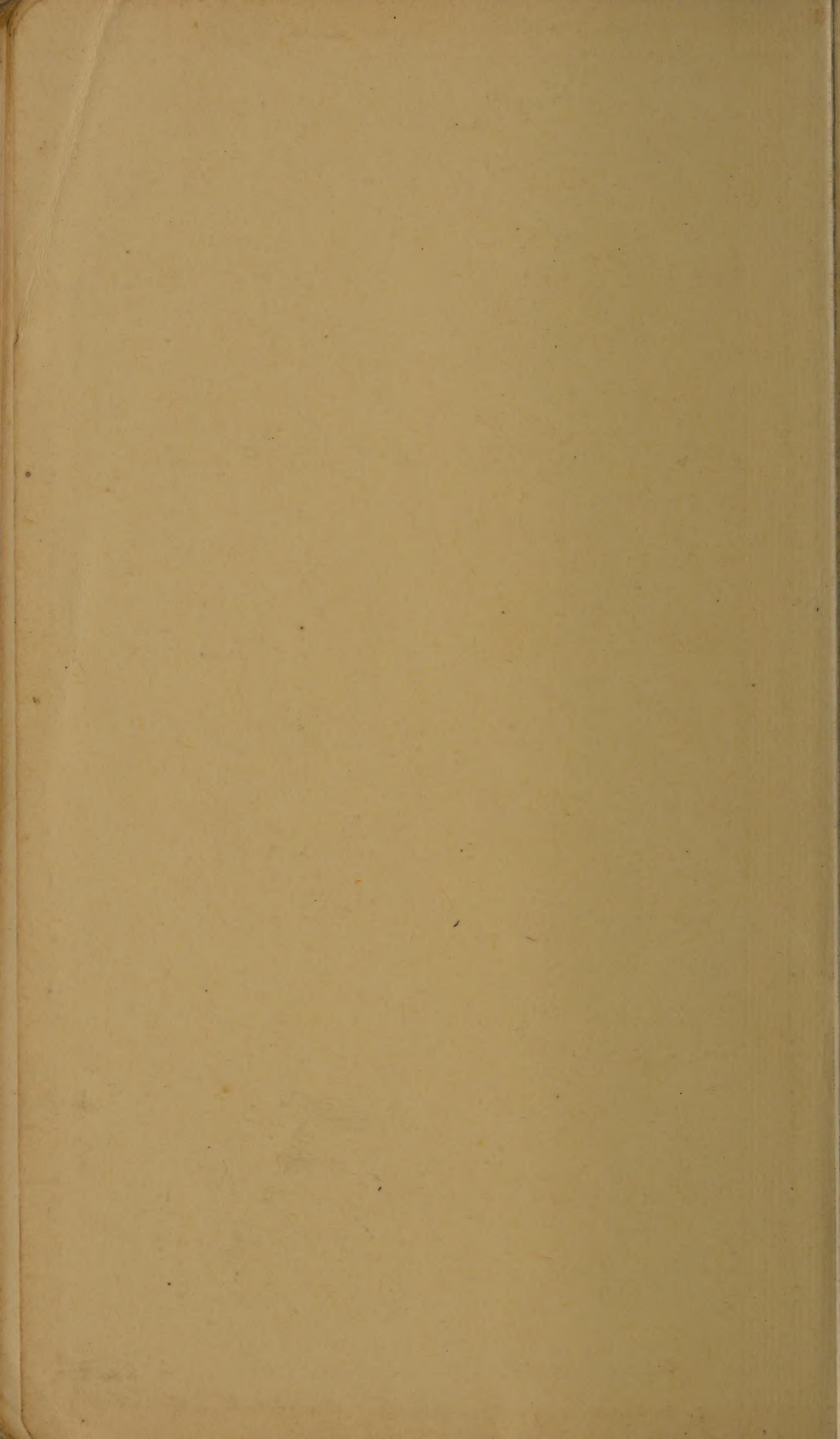
POPULATION BY STATES

	1940	1930	Increase%
Alabama	2,832,961	2,646,248	7.1
Arizona	499,261	435,573	14.6
Arkansas	1,949,387	1,854,482	5.1
California	6,907,387	5,677,251	21.7
Colorado	1,123,296	1,035,791	8.4
Connecticut	1,709,242	1,606,903	6.4
Delaware	266,505	238,380	11.8
Dist. of Columbia	663,091	486,869	36.2
Florida	1,897,414	1,468,211	29.2
Georgia	3,123,723	2,908,506	7.4
Idaho	524,873	445,032	17.9
Illinois	7,897,241	7,630,654	3.5
Indiana	3,427,796	3,238,503	5.8
Iowa	2,538,268	2,470,939	2.7
Kansas	1,801,028	1,880,999	*4.3
Kentucky	2,845,627	2,614,589	8.8
Louisiana	2,363,880	2,101,593	12.5
Maine	847,226	797,423	6.2
Maryland	1,821,244	1,631,526	11.6
Massachusetts	4,316,721	4,249,614	1.6
Michigan	5,256,106	4,842,325	8.5
Minnesota	2,792,300	2,563,953	8.9
Mississippi	2,183,796	2,009,821	8.7
Missouri	3,784,664	3,629,367	4.3
Montana	559,456	537,606	4.1
Nebraska	1,315,834	1,377,963	*4.5
Nevada	110,247	91,058	21.1
New Hampshire	491,524	465,293	5.6
New Jersey	4,160,165	4,041,334	2.9
New Mexico	531,818	423,317	25.6
New York	13,479,142	12,588,066	7.1
North Carolina	3,571,623	3,170,276	12.7
North Dakota	641,935	680,845	*5.7
Ohio	6,907,612	6,646,697	3.9
Oklahoma	2,336,434	2,396,040	*2.5
Oregon	1,089,684	953,786	14.2
Pennsylvania	9,900,180	9,631,350	2.8
Rhode Island	713,346	687,497	3.8
South Carolina	1,899,804	1,738,765	9.3
South Dakota	642,961	692,849	*7.2
Tennessee	2,915,841	2,616,556	11.4
Texas	6,414,824	5,824,715	10.1
Utah	550,310	507,847	8.4
Vermont	359,231	359,611	*0.1
Virginia	2,677,773	2,421,851	10.6
Washington	1,736,191	1,563,396	11.1
West Virginia	1,901,974	1,729,205	10.0
Wisconsin	3,137,587	2,939,006	6.8
Wyoming	250,742	225,565	11.2

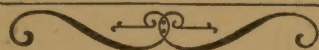
* Denotes decrease.

	1940	1930
Alaska	72,524	59,278
American Samoa	12,908	10,055
Guam	22,290	18,509
Hawaii	423,330	368,336
Panama Canal Zone	51,827	39,467
Puerto Rico	1,869,255	1,543,913
Virgin Islands	24,889	22,012
Military, Naval, etc., abroad	118,933	89,453
Philippine Islands	16,356,000	13,513,000

Territories and Possessions..	18,951,956	15,664,023
Continental United States..	131,669,275	122,775,046
Total United States.....	150,621,231	138,439,069



1945—Calendar—1945



JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
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4	5	6	7	8	9	10
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25	26	27	28	29	30	31

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

